<210> 1239
<211> 453
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl15710042d11b1

<400> 1239

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caataaaatg agcgatgagt tggatctttt gagggaacag aaaaagatat tatctgaaga 120

ggcggcactg caattaagtt ctttaaaacg gatgtcagat gaagctgcaa agtcccctca 180

aaatgaggag attaatgtaa tataatcacc ctgttcatga tatctatatc tagttgtttt 240

actctagcaa aatattgacc ttctcggttc tcgttgttgc ttaggaggaa attaaagtac 300

tcaatgacga catcaaagca aagaatgacc agattgctac gttggagaga cagataatgg 360

attttgttat gacatctcat gaggcattgg ataaatctga tatcatgcag gtaggttcca 420

attgtcaagt attatgcact gacttttttt gtc 453

<210> 1240
<211> 517
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl15710042d12b1

<400> 1240

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tgtttgtttt acttcatagg ataatagaaa aacaaacaat atatacaaaa ttaactgtgg 120

attacaaata attgtgttca tatatcttat ccacttatat aaactagata ccatgatact 180

tgagcttaaa taattgatca catccgccga acacaaatca tggtcacatc cacatgaatt 240

ctttcattac ttttgtttga gatttaagtc ccaacgggta aattggaatc ttgcactact 300

ttaattgtat atagtttatt gcctaaacag ccaataatca gtttcacaaa caaataaaat 360

ataactaaaa acactccaat aatcagaaag aaaccaatag aactgcaagg aaaacaaact 420

tttttgagta accaatgaat ttttaaactt tgcaaataca aaagaagatt ctgattacac 480

aattttaaat tatgatccgg gcaaatagaa tctcttt 517

<210> 1241
<211> 489
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl15710042f10b1

<400> 1241

ataagggttt gtacatatag atatcgaaga aaatagaaaa aaatattaaa agttcccttt 60

ttgcttcaat ccgtcaacta aaaaaagggt ataaaaggaa ggtaacatta gttgatacta 120

tggtatttaa tagacaagta tttaatacac gcaaaaaaga aaaaaaaagt tctttattct 180

ttatctgaat aatgagtcat ccgacaattc atgatttaga ttcaactact tatacttatt 240

aataaactaa tagcaaggaa gaaacaaatt gagttgatcc gtttacctaa gtaaggacca 300

ataaaatcaa aaattttgat cttcgaaacc aattaaatga aattctaagg gttccatttt 360

atggggcagt gcgcgagaaa ttaaatcata aacaaatgat agaatttgag cgccctgaaa 420

atgccataat atataacatc aaaatctatt acattaatgg ggttcggaaa tggttgaagt 480

agatgaata 489

<210> 1242
<211> 469
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl15710042f11b1

<400> 1242

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ggacattcca tggtttttcc gtaatgaaaa cgggctgtat ggtctaaaga ccaattttgt 120

ccatggcctt aatgggctag cccacacggt ttatggttgg cccatcaatt ttttcaacac 180

atcaattttt cttctcttct ctctctctcg gcaacgacgc tctctctccc ggcgacaaag 240

ctctctctcg gcgacgacca agctcgacct ctctctcaac tcctactccg gttagttcta 300

ctagcttgtg ggtttgtcca aatttcaatt gttagtgttt ctgaaagaat cttagctttt 360

tggatatgag gagagctagc tagcaaatgg gcacttttca gattttgttt atggctcgcc 420

atttcgaatt tcattatgaa ttgaagcaca tcaatatgta gagaccctt 469

<210> 1243
<211> 291
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl15710042f12b1

<400> 1243

ccatgtttca catgaaagtc tctttggttt gccctttgtc ttgtttgttg gggtttggtc 60

ttttaataaa aaagagctcg aagaacatgc gtcggactct ttctcttcct tgaattcatt 120

caattggcca cggcgacaaa acagggagcc gatacagcga aactgataca tcttctttta 180

ttttctggat tcttagggtt ctttttcggg gaatttaggt aattatgtct gtccattttg 240

gtggggcttg ggagatataa aatttgcttt tctttgcgtc ggattctcaa a 291

<210> 1244
<211> 344
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl15710042g10b1

<400> 1244

agaatgggct tgctttgcgt gggctgccat tagttcttcg aggcgggagg gttggggcgg 60

tttaaaagtg tcggggtttt ttcagcagtt ctcggacaaa aattgctgag tggccgagaa 120

gaatgggcgt gtcatgcgtg ggctgacacg gattcttcga ggcctagggg tggcggtata 180

taacttgctc gcatgatatt accgagatgt ccccacgggc atcttttcac ctcgtcgccc 240

aagagaatgg gcgtgtcatg gcatgggctg acatggattc tcctaggccg tttgggtggc 300

ggtatagtcg tcttgcgcac gaaataccga gatgtcccca tggg 344

<210> 1245
<211> 334
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl15710042g11b1

<400> 1245

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tggcattgtg tgaggtttgt ggctcatttc ttgtggctaa tgatgcagca gaaagaacgc 120

aatctcatgt cactggaaag caacatgttg gctatggctt ggctcgggat cttattgctg 180

aacaaaaagt aagtctcaga actaatactt gaatcttgtt tcatttgagc tgtcattcct 240

tataaaatgg ggatagtgat gctatgatta ctttttctat tctaggctgc taaagataaa 300

ggaaaggaag aagaaagact agtcagagga aaag 334

<210> 1246
<211> 437
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl15710042h10b1

<400> 1246

atacaacaga ccaatttcca atcctaaaac taaatggaat acacactttt ttttttcttt 60

atggaatagg aaatttctgt gcgtctttag gttcctttct tttatgaaaa ggaaactctt 120

aagacttcta gaattggaaa tatttgattt gattgaacac aaacgacttc ttgaagtctt 180

ctccaaaaac ctacatatgt ttcataagtg ctggtccttt ttggagaaaa aaatgctaat 240

gggggacagg cgaatttgat gcataaaaca aagaccgcat gctttcaagc aagaaaaagt 300

cgcatagaca taagtacaac aaggattaaa agcaatacta aaataaggaa aatatatttt 360

aaaagatttg aaatccgcaa gtagtctata gaaaccaact taagatctgt actagcactc 420

gttgacttct tcgcacg 437

<210> 1247
<211> 444
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl15710042h12b1

<400> 1247

ttgtgcattt tcatgctcaa gcaatctcca acattcaata ctcctagcgt tgtataactt 60

cttactgtcc tttgctcgag ttactggtgg gacattgctc aagtttctta attgtttctt 120

catttttgtt cttctgtgtt tatttttgc agctttctcg acatgagccc aggggattac 180

acactgtttt ggtcactggt ggtgctgggt ctattggttc acatgcagct ctaaggcttc 240

taaaggaatc atatcgagtg accattgtgg tatcttcttt ggcttacatg gatttaggtt 300

attttgctca acattattgt aaatgtcgat atcacaaagt aaatctcttt ctgtttaata 360

ggacaatcta tcacggggca atctcgctgc agtcaggatt ttgcaagaac tatttccgga 420

acctggaagg cttcaattta ttta 444

<210> 1248
<211> 498
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl15710066a07b1

<400> 1248

ggaggaaatt acgaaaggaa gaggtacaaa atcgattctc ttaaattcca gcggacaaaa 60

cacaaagcct taaaagtatc tagtggacct tagtaaaagc ccaaatgatg gagcgtgctt 120

gattgaggca tagtacatat gtcatcataa gatgaagatt ttgaaatcac caagcagagt 180

caaaatctaa ggcaatgaca aaacgtaagc agcaggatac aaaagaaaac ctaaccctaa 240

ccgtatttga atccaataaa cgatgttcaa actctggagg agaatacttt gatcgaatcc 300

ctgcagattt ggtcatcaaa atcttatcga aattgtctgc aaagtctatg gccaagtgtc 360

gttgtgtatg taagctcttg tcgtcgataa ttcgacaacc aaattataac cagttgttcc 420

cgatcaagta tcccgatcca ccgaggttca tcttcacctt cttaggtgga ggaatgttat 480

tttcctacac ttcaacac 498

<210> 1249
<211> 455
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl15710066a08b1

<400> 1249

aactcatgat aaatcaaaag gtggaaatta tgtttacgac ggtttatatc ttttggaaaa 60

gtattggcaa caagtcggat ctcacggtat gaatgtcttc aagtttcaac ttaggcgcat 120

acctggacaa cctgaacttt cttgggttga ggtgaagaaa tctaagtcaa aataccggga 180

aggtctatgc aagcttgaca tctcagaagg gaaagagcag tcacccatta gcgctgtgaa 240

cgaaatagac gacgagaaac cgcctttgtt cacctacact gttaaactga tttacccaga 300

ttggtgcaga ccatttcctc caaagtcatg ctgttgcacc acgcgctgca ccgaagctga 360

agcgagggtg tgcgcttgtg tggagaaaaa cggtggagag ataccgtaca acttcgatgg 420

agccattgtt ggtgcaaaac ctactatcta tgaat 455

<210> 1250
<211> 509
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl15710066a09b1

<400> 1250

aaaaagtagg tcagatttcg cctattccta atcctaaatg gaatgtaacg acgtagggat 60

ccctatgtaa acatagtatc tatttagata cgctcgaatg acccctttctc ataatgagaa 120

tgtatataac cttattccgg tctggtccgg tatggaatga acttataatc atggaatcga 180

ctcgatcatc agattataga ttataagttc ataaccttag tccattccca ttttgggcgg 240

aaccgatcta ctaattcttt gattccagtt agtattagta agagggatct tgaactaaga 300

aatagattct agaagctaaa aagggtatcc tgagcaatcg caataatcgg gttcattgat 360

attcctggta tagtagatgc tatcacacat acaatcatac tcaattcgat ggaattgttt 420

gatcttaaag gggatattct ataatttcgc atgtgagggg ttatttcttg gtttcgttca 480

gtcattaata acttgattat ttttagata 509

<210> 1251
<211> 249
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl15710066a10b1

<400> 1251

gatcggacgg ctcctgcgat ttcatcagct ttcacgattt ctccatattt tgacacgtat 60

tccaaccgca tctccaacgc gaaaccaagc tccttcacaa tcgtgaacgc gtttagttgt 120

tgttccgcgt acattggcca cgtggctatt ggaacttcga aacgcaaact ctccaatatc 180

gagttccaac cgcagtgtga cacgaaccct tcaattgctt tatggtgcca gaatttcaac 240

ttgaggagc 249

<210> 1252
<211> 473
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl15710066b09b1

<400> 1252

tatgtaccta gtctctcaag catgaaacat cgccgggtag agatttaagc taagtaacct 60

tattatattt tataatgaag tttcatacga ttggttttga gttgaatttt ataggttttt 120

gattaattga aaactgattg tcaaggacta gattaatttt caattttggt gtaaatttct 180

aatgtctcct cgaagaaaga ctcttatcat ttaatctcga tatctcactc aaacctatat 240

taaacttatt tagataaaat aattaagctt catgaatttc caattcagaa tcatttcaaa 300

attatttgca ataagttgac ttcgacatgc atattatgtt tagttccttc aaactcccaa 360

aatgattccg atcatatgta ttggtttttt tttttctctt tatttggtca attataatat 420

gtttagaaaa accccatgtg tttttgcatg ttcatggatt ggtcattttc att 473

<210> 1253
<211> 463
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl15710066b10b1

<400> 1253

cgagcaaggc aacaaatgcg atgacgagag gtgaacaagc gccgatgttt gtgcccacga 60

cttccccacg aaggagaagc cgcgggcatg ggtgtaaacc gaactcaaca attccttcaa 120

attaggtacg aaacacaggc cccggaactc atcatcgagc gtaacatcgc ccgtgaatta 180

actgagaagg ataggtggta ggtagttcga tgcgcgagca tggagcctac gaacactagc 240

tatccgatca ccactcatac gccgaacgtt caattaactc aaaatcatca atcgttccaa 300

ctaatctacc gaagtactcg gctaagaaga aagaagacgg acgaatccga gccaaagccg 360

tacaagcgcg agataccttc gggacagcct aggcggatcc atgctttcca acgaagcacg 420

cccatccaac ctaggcgaga caagggttca catttcgttc atc 463

<210> 1254
<211> 430
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl15710066b12b1

<400> 1254

gaatcgacta tgagtccttt taatatttag tatagaatgt ttacagcaaa aataaatatt 60

ttaaagtctc tttcagagaa aactaataac aataaaaaaa aaaaaaatcg tcaggtaatg 120

cgcctacact gcgtagatgc attatgtata taatggatca aacaactttg tcatttcaaa 180

taagactagc atgtaccgac acatgatagc atatcatctc aattaatgaa gcttcgcttt 240

ttagttcaat ttaatatcag tttaacatct agcatttgtt tttcatactt attctattaa 300

ttccacgtac gatccgcatt cttcatactt attctattat tttgtccgac ctgatttttc 360

agtatcaatt tgtttcgctg tttctaaatt ctttgtgaat ccactcatat attatcttat 420

caaaatcata 430

<210> 1255
<211> 565
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsfl15710066c07b1

<400> 1255

cgtggaagac atgacggatg tcatacttgg tttacaagga gagcctcctt ccaactattt 60

gcacggagtt ccattcgttg gtggcaggta aggcttttgt taatttggtt cggttatgat 120

agccttacaa aagtatgttc ggtctttcat gcgtgttatt ttgataggga taaagttgca 180

gcctgtgcca agcattacgt gggagatggt gggacaaccc gcggagtaaa cgagaacaac 240

actgtgactg atttacacgg tcttcttagc gttcacatgc ccgcttatgc tgatgcagtt 300

tacaaaggtg tttccacagt gatggtttca tattcgagct ggaatggtga gaagatgcat 360

gcaaatactg agctgatcac agggtatctt aagggtaccc ttaagtttaa ggtctgctta 420

cttatcacaa cttcaacgca cattctctgt gttctggcag tagtctttct gaatgaatat 480

ttctctctct ccatgtantt tatagattct tgaatagaac atatatatag catgtgtgag 540

ttcttagatg aaggagttga ttttg 565

<210> 1256
<211> 484
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl15710066c10b1

<400> 1256

gatgatgatc actataaatt aattgccggc cagttggaag gtttcctact ttgttcagat 60

ttccaactta aataataaat atgtgatgat ggctcaaccc tgcataaaat cacgtacaag 120

caatcatatg acatttatga ccaatccaat ataaagatta gcgcccatct aagtgttcaa 180

atgttaacca tgagtattgg tcgaggataa attatgagca tatgacttat acgtacaaat 240

acaatagtag tattttaaaa catttttact ttacttaata gttggtggta gtacaaaaca 300

attgatagtt cagatactct ttattcttta acatctttgt tttattcgtg tgcatgctaa 360

ggtatttgcg ttatcttata taagatttct tggctatctc atcaagacaa gaaattaggg 420

atcttatatc tatatattca aatttacgta atgcatgttt ttatttgaag tacatcgtat 480

acac 484

<210> 1257
<211> 496
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl15710066c11b1

<400> 1257

aacgggaagt aataacccga aaagaaacaa aggaaggtaa atagtcccgc aatgcaagat 60

ctgtctatga gagtgtgtat atagaatggt tgagacccaa attcttccct gtctagcatt 120

ctaacgcata ggtctgcacc tgtggttcaa aatttttcca aggatggaaa tcgaaacatt 180

catatgttag ttcaaaaaga ttcgtttgct ttcattcatc ttttattatt atttcaagaa 240

gatcaacctt gttaataatt ctacctcggc caagttctca tcgggagagc tatttggtgc 300

agtgagattg gacgcagcag ctgtgttgta ccggaagatc cttagttttc cctcctgaga 360

taaatattga gcaaatatca atacaagtca acattttagc gccgagaagt ttttcacatt 420

acgatttagg attaattacc tttgttccat agacaagacc tcccccagga gaaggatgaa 480

agcaagcaac attaac 496

<210> 1258
<211> 389
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl15710066d07b1

<400> 1258

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tctggttacc atttaccata atcattttgt tcaattccta tgttcctctt ggttcctact 120

tatggccatt ttctttttt cttgttcctt tttgttattt ttcattcata ttcctatcgt 180

ttcttttgtt tatcaccaat cagagtctta aaagtaatta ccaatcacaa aagttttacc 240

aaaagcatca ttcttagtct ttatttttcaa agttaatttt caccgccttt aactattccg 300

atattgctta taccttcttt tacctataac aaacttgtat ggttttgtat caccaatggt 360

attaatgtat atttgagggg gggggggggg 389

<210> 1259
<211> 505
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl15710066d08b1

<400> 1259

tgtagatgaa atacaataaa ttagtttcca caaccagagg aatacaaaaa ggaaccttcg 60

tttataactc aaaaacaaag aaagaattat taactaaaag aacaagcaac ataccttgtg 120

ccttgatcta cagaatttat tgaattcttt gggtcttttc ctcttagata ctggctttgt 180

tcctcagagt actcctgaga gtcactgtca ccacctccct gtatgaacca tataaggttt 240

tagtcttcca caaacgtttc acaaaatcaa ctgcattttg caatggtata tttctcatag 300

tataagcatc cagtgagact atgctatgga cagtttacca agctccatcg taagtactaa 360

gatatcaatc ctaactgcat caaaaggaaa aaaatctgta acaacaacta caaacctctt 420

ggagggaagc tgctttggct ctgaaagatg cctctaaaaa ttcagcctct ttcttgagct 480

tccttatctt ttctaggtca gagca 505

<210> 1260
<211> 409
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl15710066d09b1

<400> 1260

taggaaaata taaaattaat caagaaaaat agacatgaaa aacatactac tccatatgtt 60

tttgtttggc caataaagag actaactaag ctaatatcta actaaaaaag agtttattta 120

ttatcaattt tataactgag caaattacta atctattatg caaaaagata ttcctaatta 180

ataagatgga ttctactaat tttgataata gatatttgat tcatatatag tgaaaaataa 240

aaatgacctt tagcaatcat taaatttttg gtcacaaaat actaacattt ttcttttctg 300

gcatagcata aattaacttt agatagtttg caataatctt aaggatcaaa agataataga 360

tacaatttat gaaaaaattg ttcttgcaat gtaacaaaga tcacctaaa 409

<210> 1261
<211> 258
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl15710066d11b1

<400> 1261

cctgcaaata tagggtttgt gtattcagac gtgagaactt acacagtcta taatgaaaaa 60

gggggcgtgt tgtgcgaaag attaaataac atctatacac aaaatagaaa aatgttagct 120

aacacttcgc caactatgat ggataggtct aaataaacta tgaatgcttg ggatagatca 180

tagcggtaat aatactagca tatgcctatg tgaaccaaaa catatattat taattaaaaa 240

atatagatat gttaatgg 258

<210> 1262
<211> 569
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl15710066d12b1

<400> 1262

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ctacattctc tgaaaccaaa agtttttaaa ttctgtaact tgaaaaaacc tttccctaat 180

cttcaacaga tgatttcgac gatttctgtc tccgagcatt gaaactagct gaggaatcaa 240

acggtgctcc attgttcaca gtgactcaaa cccacacagc gataaaccaa agcaactacg 300

ggtttgcgga tgacgacagc gaggatgaac gtgaagatga ctggcaaatg ctctgatcat 360

gatcatcgtc aaacatttta acaatctcaa gctacaattc ttttttcct tttgttaacc 420

agttctttgt tttttatatg tgttggtgta tattacatca gatcagaaca caatgttgta 480

ctataaaatc ttttgggatt ttcaaacata gattgaagca tgcgaaaatg gaagagtaga 540

gaaatcacaa ggtatatgaa catgatgac 569

<210> 1263
<211> 392
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl15710066e10b1

<400> 1263

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ggcgatgtct gaacgatgtt ctttttggta tcaggtactc caatctgttg ctttcctgaa 120

caaacaattt ttccagagag aatgttcttt attagcatat gtgtcttcca ttcaacttaa 180

gagttgcaga gtttttggag ttcagggaat gttcctttaa ggtctctgga aacactaacc 240

tgggtccgat catagagcat tcggcttttt gtgaaatatt tgtgggaatc acgtaccttg 300

gtaagcattt cattatcgaa agatcctacg atttccatat cccttgctag caaactggcc 360

ggcgaatcat tctggaagag aacctgcaaa ag 392

<210> 1264
<211> 509
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl15710066f08b1

<400> 1264

agaagtttat cttctgttct gttatgattt tcattgatac ttaacgaacg tttaagcagt 60

tttaacgatc ttttccctga attttcaccg attttctctt aatttcccgc aaaatttaca 120

taagaacgac atgtttagtc tgttcttttc ttttgaatct cccgaggcag gtacaactct 180

aaatattcaa gttatgtcac tgaagaagat ccaaacgaca taaatcatac gtcaaaacat 240

aaaagaacca acgcgtttct tatgaattct gcttcagctc atggtaaaac ctagctcctc 300

tgtttcctct gtttctatgt ttgctctgtt ttctcttgtc ctctgtattc ttattcattg 360

cttgtacacc aaaaaaccta gcttctttca acgttttctc tcccttctcc tcccagatct 420

aagattacta gaggtagata aagagaagca agaccccaaa tcaccaagag gagccctcga 480

agcctgctta actcgttgct caatctctt 509

<210> 1265
<211> 404
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsf115710066f11b1

<400> 1265

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ttatagctcg tttagactag atggggtatc cctacatagc gggtgggacc cacggcgaat 120

ggttcatcaa gtcttcaaaa aagaatatat acgattgcat tgcatattct aacggatgct 180

atcataccat cactaatgca ccggatccca tcataactcc gcagttaagc gtgcttgggc 240

gagagtagta ctaggatggg tgacctcccg ggaagtcctc gtgttgcatc cctcttttat 300

gtttaacctt ttttttttg gttaaaactt tatgactcca taacttttaa accgtgaggc 360

caaacttggc atgtgatacc tttttggaaa gcccaaagac agcc 404

<210> 1266
<211> 499
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsf115710066f12b1

<400> 1266

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tcagtagata taaaactctt tctaagaagt tatttatagt tttttatgtc actataatta 120

aaaaatatat taacatagcg tcactattct atagcttttt aatttattgc tttgttgaac 180

acattacata taaaatctat tgcagaatag atataaagaa catataagat gctttacaat 240

gatattacat gaaacatgtt attataaaaa attaaagttt ttaatttgtc ccaaacatac 300

atgttatgtc ttctctctct caagatgtat acatagatga taattagata acaatttaag 360

caatgtaaag gacaaaaaag aatccaagta gaaaattgat accagcgctt ctatttttgt 420

acatgaagtt cttagaatgt tatttgtgca ttttgtcttg tactatgttc cttttgggct 480

gctgcaatac actcatgtg 499

<210> 1267
<211> 567
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl15710066g07b1

<400> 1267

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tttctatctt ctctttatct tttctcttta actctatgtt catcactact actcatctca 120

tggactatag cttgccacaa gtatagtgga attattaaaa gagaaatgat tttcacattt 180

cgttaattta aataaattta aggaaaacta agcaaaacct accaatgttg aaagaacaat 240

aaaacactcc actagtctta ttattaaaaa gagaaacaaa gattcttaaa agaaaccaaa 300

taagctcgac cctaaatttt ctcttcctcc ggcaagtagt atctattctt caaccaaata 360

gagtctgcaa taacagcttc gtcttcttta tttctatgtc aagtgtaatg tgcatgggtc 420

ctgtttttta tttccaaaag ggcgtgtccg aaactcgcct ccctaaacgc cgagtaactt 480

ggttggggat cggtgaaact atatgaaaaa taaataatct taatcaaaca attcacaaaa 540

cgaaagcttt agtcaaattc actatat 567

<210> 1268
<211> 534
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl15710066g08b1

<400> 1268

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tccttataga tttctctagc tattttctta cgaagctttg ttatagcgtc tataacagcc 120

tctggtttag gtggacaacc cggcaaatag acatctacag gaattagctt atcaactcct 180

cgaacagtac tataagaatc ggtactgaac atccccccctg taattgtaca ggctcccata 240

gcaataacat acttcggttc aggcatttgt tcatataatc gcactaaaga aggagccatt 300

ttcattgtta ctgtacctgc tgttaaaata aggtccgcct gtctaggact cgatcttggt 360

actaacccat aacgatcaaa gtcaaatcgg gagcctatta atgaggcaaa ttcaatgaaa 420

caacaactgg taccataaag aagcggccat aggctggaaa gtctcgacca atttgaaaga 480

tcatttaacg tagttgaaat aacggaattt tttgttgttc gatcaagtat ggga 534

<210> 1269
<211> 368
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl15710066h08b1

<400> 1269

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ctttccatcg tcgtatgtaa cttcaacagg ctcaatctca aattttctgg cacaaaattc 120

tgagaaggtt gcaacctgga aaacgctaaa tgattagtta gctattgatc agctagcact 180

gtaggtttga tttggtaaca acataccatt gtattcaaaa caatcttggc cttcgtcaaa 240

tcagttgcag tacattcaat gaagacattc tttgtctgta agggaattgc tgaaagtgca 300

ccattgataa taggtggcaa tgacagcaca gttctgcaaa agtgagcttt cattatgtgt 360

cagtacgt 368

<210> 1270
<211> 466
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl15710066h09b1

<400> 1270

ctccctccta tgtttctctc atcagctacg ctggaggcga ctatatttat tacatcgact 60

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tcagttgtat caaacatcat tacaccaagt tctctgcctt tacatgtgaa agaacacttt 180

tgtttgtttg ttattagaaa aaaatcataa cgccaaatgt atatatactt ttattttggg 240

tgattatttg attcttatct tcattaaaat ttgcatgcag ggcttaaaag cactagtaga 300

gaaagtcgtg gataatttac gcgttaatat gatagtattg ggtggcctgc tatttaagaa 360

gatagcagta acatcgctgc agccgatcgg atgccttcct tcttacacct ctgcatcctc 420

gttcaagagt tgcaacgagt cacaaagtgc attggtggaa ctacac 466

<210> 1271
<211> 435
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl15710066h10b1

<400> 1271

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gagatctgca agaatcagtg agaagactaa ggctacgccg ataccaaata aagagccacc 120

caagaagcga ggtagaacca aatctgcagt gtcaaagaaa gatgcagaag gtgagaaatc 180

agagggagga ggagaggaaa actctcatgt gaaagatact gaaatgaatc ctccagaggg 240

aatcgcccag aatgaaaatg tgaccgataa gaatggctcc ggtgaaactg agagggtgaa 300

tgatgcaaaa gaaaacattg ttgctgagga aactccaaat gctgctccag ttcaagaaga 360

gggtgagtcg atgaaggaga aagctctgga ttctgttgat gataagagta aggagactga 420

caaagaaaaa gatac 435

<210> 1272
<211> 436
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl15710067a01b1

<400> 1272

aatttaattg cggttctagt tggtatactc actcatacac atgacatcta gtcttatttc 60

gctccaaaac actaaccaag cttcttcttg cttctaaaag cttggatggt ttagtcgaat 120

tccgtatgag tctttgtcta tgtatcttct aacaaggata caatatttag gcttttaaga 180

tccgttgcgg ttctagtttt tatactcact catacacatg acatcaagtc atattcgact 240

ccaaaacact aaccaactgc ttcttgcttc tcaaagcttt gatggtttag ccgaagtcca 300

tatgagtctt cgtcattgta tcttctaaca atgatacaat acttatgctt ttaagatctg 360

ttgcggttct agtttttata cggagtcata cacatgacat caagtcatat tcgaatccaa 420

aacactaacc aagctt 436

<210> 1273
<211> 472
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl15710067a02b1

<400> 1273

gtgtctgcat atacgtcaca ctcttgctca tctctgatgt tatttttttt ttatgtgcag 60

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tctgtttctg gaatcagaag accatcgtcc tctagtagct caagatcaac gagtagacct 180

cccacgccaa ccagaaagtc taaaactcca gccaaaaggc catcaacgcc gacctcacgt 240

gccacctcaa caactacacg tgcggcatta acctcgtcct ctactactag ctcaacaaga 300

tcatggagaa gaccttcctc tagctccgga actggaacct cacgtgttac cttaaccgct 360

gcacgtgcaa ccagtcccac cacctcaaca gaccaacata ctaccggttc agccacctct 420

actcgatcca ataacaggcc gatgtcggct cctaattcaa aaccgggatc ga 472

<210> 1274
<211> 514
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl15710067a03b1

<400> 1274

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aagtgagttt tttggacctc catgaaatat aacctgagga cttggattta caagcattgg 120

tgcagcttga acagaatggt actgagcggt gtatctctga ggctgtgctc tgttaacagt 180

tggcccaatc atctgcagga aaatgggttg caagtggaag aatgattcat ccatggcaaa 240

acaaacaaaa gttggtggca gaaagtatat ggaagcattt taacagtaca gacaaagcca 300

tatcaattca gaatgatctt ttaatctggt gttcaatact aacatttatg gttgttaacc 360

attcaggcgc ttagtggtga gaggaacagt ctattctcaa ttactagttg ataaaagccc 420

tttgacataa catgcttgaa gagagtaaga taatacttac gtgttgagga aattgaaatc 480

caccgacagc atgtccagcg gtcacattac cata 514

<210> 1275
<211> 460
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl15710067b02b1

<400> 1275

atatacaatt cttgttcaat gagacaaatc atatgtacct gaaacctgaa ccataatctt 60

ataaaacccg caggattgac cggattggtc tctctgaacg tctcaaactc tcgagtatca 120

agctcaggac tacgtcacct gaagccattg aagaacttga gatctctgac cttggagtcc 180

tgcaagctct ctgctaatga catcaggaag cttcaggcga ctgatctgcc aaacttggtc 240

aacttccgtc ctgaataaaa taatatgttc aaaggcaaat tcacgaactc tgtaaataga 300

tcgatctcct ctggtctcag actaagacac tgctcttaga tatatcgtca aaagctatgc 360

tcttcttcgg attatttgct gaagaaactg taaataaagc ttctttcaag ctatggccgg 420

acgaaagagt cctccatggc tcttctacgt ggtcagcttt 460

<210> 1276
<211> 357
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl15710067b03b1

<400> 1276

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gtttgggctg ggctgaattg tttttaccca ccacatcatt cctaaggata attatacagt 180

aaccctagaa aggtttcctc caccttcctt tttccctcct atataaaaaa aatcgacatc 240

gtttttgctc actcttctct cttaggtttt ttttcccttc tcccaatctc atcttcttcg 300

aaaaccttte ttctttcaaa tttctgtgaa aacatgtttg acgacgagca ccacttt 357

<210> 1277
<211> 494
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl15710067c02b1

<400> 1277

gatggattgt tcgtgtggac gctttggaag atataattgg aggacatgta tggttaggtt 60

ctcatttgta tatttggtgg aatctggcat atcttaacca agccttttgc atgggctcgc 120

cgcgcacttg tatggtctgg ggaggcttac ttgtcttata gtttagctgc tttatctgtt 180

tgtggtttca ttgcttgttg ttttgtctgg tttaataata ccgcttaccc tagtgagttt 240

tacggaccta cggggccaga agcttctcaa gctcaagcat ttacttttct agttagagac 300

caacgtcttg gagctaacgt ggggtctgct caaggaccta caggtttagg taaatactta 360

atgcgttctc cgactggaga agttattttt ggaggagaaa caatgcgttt ttgggatctg 420

cgtgctccct ggttagaacc tttaaggggt cctaacggtt tggacttgag taggttgaaa 480

aaagacatac aacc 494

<210> 1278
<211> 465
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl15710067c03b1

<400> 1278

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ttctattttg aagtttgatg ctgttccatg gggtctggaa ggtgttcttc agcatataaa 120

gcatcgctat aacaatcctc caatctacat tcttgaaaat ggtacacttc attctctttt 180

gtcttctggc tctgtttttg tctacttgaa agcaaacctt cttgttctta agattcttca 240

aatcgcaccc gaaaacaaaa acaggttcac cgatgaaaca cgattcgatg ctacaagaca 300

caccaagagt tgaatacatt caagcttaca ttggtgctgt cctcaacgct atcaagtatg 360

gtcatccttt ttcaaatttt agtcctcacg ttaatatatt tgactgatcg gtggtttagt 420

ttcggtttac ttgactctct ctttgtgaca aataatttga ctgat 465

<210> 1279
<211> 447
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl15710067d01b1

<400> 1279

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tttatttgaa gatggtaggt ataagtctga atcaaagaaa ccatctttga aagctgttga 120

tattattgga tttggaactg gggctgaggt agaaaagaag ctgaagtatg ctgaagatgt 180

ttcttacggt gtaattttcg ggagagagct cattaattct cctgccaatg tgcttactcc 240

tggtatgaat tgttgtcatt tatgaaatca aatattttcg tgtttgtgtg gtgttcgctg 300

agttttccta aactgctttg atttttgtat cgtttcagct gtactagctg aggaagcagc 360

aaaggtggct tctacgtaca gtgatgtctt cactgcaaac atcttgaacg aagagcaatg 420

cagagagttg aagatgggtt cttacct 447

<210> 1280
<211> 453
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl15710067d02b1

<400> 1280

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atgggtatgc aggagccatt attggcatat gatgatagcg gtcacgacga ttttttcgtg 180

ggtcccaaac aggaaagcta aggtcatctt cttctattgc acaaagcacg actggattcg 240

gccagcgcca ttgtgtatat actctaaaaa atcgtgaaac caacatacta ggaatagcat 300

ttggataaaa ctggcaaagg cgtgcaacca gaagtgccca gtttacacca ccaagaaatc 360

cagttacctg ctcaatataa cagagattac aagagctgta acctaagaat attgtcaaca 420

gatgtgatat tcagaaagac accaccttac att 453

<210> 1281
<211> 139
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl15710067d03b1

<400> 1281

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tgcctgtgcc atgttctcct gtgtgacgtc cttacttgat gtgaatattt ttataggcct 120

tatctgttgg aatatatcc 139

<210> 1282
<211> 459
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl15710067e01b1

<400> 1282

ctatcctatt ctaagagaag agcaaaccca acaaattgtt gaaaagacat ttaggtaaat 60

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ttcttgcctt tacactcacg gcagcaaccg gacagatctt ctgcggtatg acttctactt 180

gtctgaactc ttgcaagccc tatgtgtagg ctaggaaccc aatgaccacc ggaattgatc 240

ccttgggccc ttgctgcaat gccctgtcca aggccgattt ccagtgcctc tgtaagcata 300

aagacagtat caatgtccgt gatatcgagc tttgacctcg ctgagaaact cccggagaag 360

tgtggattag ctgctgcaac ttgctagtag gttttctttc ggaaggtttc gctttgtggt 420

ttggttttca tggttttctt atactgattt atattgatg 459

<210> 1283
<211> 515

<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl15710067f02b1

<400> 1283

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tcgacccaat gatcgtgtag ggcttttaag ttcttatttt tacttgtttg aatcctgacc 120

taggattgtt actagaaacc caccatcatt ataatctggc ttgactttgt tgtttttgtg 180

cacatcttga ttgctagcaa tacagtggac tggattgaca ccctgtataa ctgcatcgac 240

atgtttgtgt tttaggggaa ttgaactgaa tcacacattc accataagca gacctgaaaa 300

acctgtttat caatttggcg ccattgccaa ttcattgttg cattgttaca ttcaagatat 360

cagaaacttt taagatcaag ttcttttaca tttatcaagt tactaactca tattttcgtc 420

tgcttgtttt tgtggtatag gtactaatct ttgtgcatgc aaactcgatc caaaggttct 480

gcacacctac taccattcaa agacagaatt gacag 515

<210> 1284
<211> 477
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl15710067f03b1

<400> 1284

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tttatatcaa ttttttcttt aacttgagta cgacgccata aactgtccgt tgccatggaa 120

atcagttctg taccatcatc cctttcacac ttgatgcgtt tgagaaggtc tagaatttga 180

ttaagttcat cacattccaa aaagcagata ctctgaggtg tttccactaa acggcactcg 240

gtagtaatag tgttctcgga aacttcaaat tgtgcgataa gatgcttaac aggaaaccgc 300

atcatccagt ctcgaatact acaagagaga attttacgct ccaacaacaa cacaaggagc 360

aatcggattt ccttgagtaa cttcctgcgc tcttcatctg cagctaaagg ccattctttg 420

gaccacccat tcacatatac aaactctttt acaaactcta gccggttctt gatcatt 477

<210> 1285
<211> 437

<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl15710067g01b1

<400> 1285

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tggttaatgc gcccaactca taattggcga attcgtaggt tcaattccta ctggatgcac 120

gccaatcgga ccctccaata agtctattgg aattggctct gtatcaatgg aatcttctca 180

tcatctatac ataacgaatt ggtgtggtat attcatatca taacatatga acagtaagaa 240

ctagcattct tattgagact agaactcata gggaagaaaa tcgatttatg gatggaatca 300

aatatgcagt atttacagac aaaagtattc ggttattggg gaaaaatcaa tatactttta 360

atgtcgaatc aggatcaact aggacagaaa taaagcattg ggtcgaactc ttctttggtg 420

tcaaggtaat agctatg 437

<210> 1286
<211> 443
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl15710067g02b1

<400> 1286

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gtgggaagag cagacaaccg agattcagca acaatgtaca cttttccagt gttcttgtta 180

cgaaccttca catagacaaa cttcgcattt acacacaaag caagattgct tggaagagtc 240

cacggagtag tagtccatgc cacaaaagca gcattatctt gatccccaat aaccggaaaa 300

gtcaccatga tttcaggatc agggacttcc tgtacataca cacattctac caatatcaga 360

gatcaaacta tacaacacaa atcaatcacc tgaagaacac aataacaaca acattacctt 420

atagttctga ccagcttcaa aat 443

<210> 1287
<211> 478
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl15710067h01b1

<400> 1287

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ctcaattaca caattttgtg ttgactttag attctgttag ttctcaccgt ctctttctcg 120

attctacatg ttaggccaag gaggtctctc tagacaatgc atattcagac caagaaatag 180

aaaagaggtc atcagttgta ttgttcaatg cctcaaagaa agaagtgaaa caagaatcaa 240

gcttcaagca ggaaccatta ttatgtgaac cacaaataga agcaagggtt aaccccagag 300

ttttcagata caacccaaaa ttcaaatcac cttcgacgaa caacacttct ttacatgagt 360

tgagaccaat acaaatccaa gaatccatct ccatgaactc caacagacaa aagtctccag 420

tagaccaaga atcatatgac aaggaaaatg ttgacggcca tagtactgaa actggatt 478

<210> 1288
<211> 478
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl15710067h02b1

<400> 1288

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agatgaatct gaattcttga tttgtatgtt ctgtacatgt tgtgaagttt aaactagaaa 120

aagtgggagg atagtaactt gaagcatatg agccaaaagt caaactattt aaaaatacac 180

caaaggagct tgagattgat taggtaattt aagttagtta ttctcacgtt ctttaactat 240

atagtagtgc ttatttcctt cctagcatta agttgcagaa aaaacagaga agtagagatt 300

ttttctcttc tcttcaaatt tcatagttca ttaaaatttg tgtgttgaat gaggcaatct 360

catgtttaag attgttctta aattgtcctc tgagtgattc tagttggttt tgtcttttga 420

ctttctgttg tcttgatctc tctattcagg tttttttggt cacgtgagaa gaagcttt 478

<210> 1289
<211> 495
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl15710067h03b1

<400> 1289

gactgttact cataaaacca gccacaaact caaccaccat atacgccgta ttgatcaaaa 60

gaaacaacgc aatcttcctc gatttcttgt cgctcaaaat gtgacggata ggcttcataa 120

acatagtgga aaacgactca ggcgattcca taccaatctc ttgataatct gaatacacag 180

actccaactc tctaacagca atgtaaagca acaaaccaca aagcaacaat ccccaaagag 240

atagctcagg aaaatagaag agttccaata ctatagtaca tagaaacgtt acaagaaact 300

ccctctctga gtccttcttc gagcttgaaa acttatcatc attataattc tcactcaaca 360

acactccaaa tacaacagtg ttagctaaag gccaacctaa attcccaaaa gagacactat 420

catcaccact accagagaag aagaaactcc aaatagcaag tgggaacaac aacacagtgg 480

ttagaaacaa agaca 495

<210> 1290
<211> 372
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl15710068a01b1

<400> 1290

taaaatacca aagtggatga ttgactcttt tccatactag aaagaatcgc aggaaatggg 60

gtgatttgac ggattcagcc tatttctcaa tcgtatccca cgatcaagac aattggctga 120

atcccgcgaa accattttag agaagtccat ttgatatctt ctttttctaa agcaaatcga 180

cttcgattct tgaataatcc acatcacttc tgtctctatt gtaacaaaag attccctttt 240

tatgtggaaa aggcccgtct caataattct gattttacgt ttacgtatgg acaattcctc 300

actatctcgt tcattcacaa caaaacattt tcttcgtgcg gtggtaaaaa aaaacatgct 360

tttttggaga ga 372

<210> 1291
<211> 343
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl15710068a03b1

<400> 1291

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taaaagcata ttataccttg tcgtctgggg ggtcagataa agacccccag ggactatgaa 120

ctgaagcctc aaaaaagtca cgaaggaagc agaaagctgc atatggtttc aaccagccct 180

ttcaaagata acaaaaatcc gtaagccaat ggaacgctga cgtggcctta ggaggcataa 240

gttctatgca gacaattctt aagagatatc aaggaaacaa tatcagattt tgaagcatac 300

cttgctttta gagaagaatt tctggaaggt gcttgagttc aaa 343

<210> 1292
<211> 433
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl15710068c01b1

<400> 1292

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aaatacacac cccacatgta gtgggattaa caataacacg ttttataaat tttaaaacaa 120

atggatttag tattagttaa cgttttaccc attcccgtcg acttttctca aaaatgttct 180

ctcatgtcaa aacaaaataa gaaagaaaga tggtcaaacc atgcatttca cacactaagt 240

atttgggtaa acattcatgc accatttgaa tttcaactct agtggggatc ttcataatat 300

ctctcccata acccctccca tacgaattct ccagacgcct atctatctat ctattattat 360

ttaattcgat ctctatgact aaaaataatc acacattaat atgggagttt ctctaataat 420

ctctagtatc aaa 433

<210> 1293
<211> 344
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl15710068c03b1

<400> 1293

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atatagcact tgatcattgc tcctgggttg gtgtatatga catccccaac tacacagaaa 120

acatgtaaat gtgaccgcca cagttcttta cattgtgtgt aaccaagtct ttggatttga 180

ttctctttcg caaatatcac accagtattt gccgcttgcc ttttcttcac cataacaaag 240

agtgagtgga tgatcattat acctgggaag cattaccgtt aatggttgag tggcacaacg 300

gaaatccaaa aagtaatctg atttggtaca acctatggcg actc 344

<210> 1294
<211> 155
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl15710068d01b1

<400> 1294

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tcttctcact cgaatcacca tcaaggtcag tagtagtgat gttggagttt ttagttttct 120

tggtgttgat gttgctgtgt cttgtttgat gggaa 155

<210> 1295
<211> 317
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl15710068e02b1

<400> 1295

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aagacagaga ctcatattga cttcagctaa accatcaatg ctttgagaag caagaagaag 120

cttggttagt gtttcggagt ccaatataaa ttgatgtcat gtgtatgatt gagtataaga 180

acttaaaccg caaccatagc ctaatagcct aagtagtgtt tccttgttag aagatacaaa 240

gataaagact catatggact ttggctaaac catcaaagct ttgagaagca agaagaagct 300

tggttagtgc ttttgga 317

<210> 1296
<211> 494
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl15710068g02b1

<400> 1296

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ttgtatgttt cagtgaacaa agttgaagat aaatactttt taaaagtact atactgaaat 120

gctatattta ttatatattg ttaacaatat ttaattaaaa atccgaatgt aattattttc 180

tataaatttt tagatttaat ttattagaaa tattctctta tttctatatc gattatagta 240

aaaaaacttc acaaattctc ttatataaaa tacactttta ggtgtaataa gttaaaccag 300

tgtgttatac aaaaacttaa agcttaatag tgtctacaga aaaaataatt atgcaataac 360

ataatttctt atcttatctc atattaaaac ttctgaacta attatcccgt gcattaacac 420

ggatcattac caaggtttgt aatcaaaatt accttgtttt aattaaatta taattttaga 480

tttaaaataa atag 494

<210> 1297
<211> 382
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl15710068h01b1

<400> 1297

atgggcgacc cgcagggagg ttttcacgaa agttgacctg gagcattttt ttcagcaaac 60

tgccaaagag caggatgatg ataaccagga gctcaattaa gaactgtttg aaaacgcatt 120

gagcctgccc atggtcaaga tcaggcaatg cctggtgccc aggaccgaaa tagaagggct 180

tgatatcagc acacccatcg aagagctgaa gcagcagttt atcactaccc aactcagtaa 240

gctgatcgtg tatgatgata atatcgattc catacaaggg tatgtgcacc agcttgacct 300

gttcaggaaa cccggttcca tcagggagat cctgcacccc atcatggctg tttcggaaag 360

catgagcgct accgacctga tc 382

<210> 1298
<211> 397
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl15710068h02b1

<400> 1298

gagagtctag ggcatagttc caaggaaaga catggccacc taaaggagag atgttccgat 60

tacagaagag agccccctcg gaaaggtcta attttagggg aaccggaagt atgaaagaag 120

taaaggagaa ggaggtattt taaagaagaa gtggttggaa actatggacc tcaactgatc 180

tgttctctct tgtggttttg ctacatatcc tgcattcgag actattcggt aaccctaaat 240

actttaactc caccacataa aaaccaaatt ccccttttcat accaagctcc gtctaccctg 300

acaccttcaa aagagaaaga ccacgccaaa catttcaaag aatgtaaaga gttgactaac 360

gtgaattcaa agttctgtag gatcaaagcg gatggac 397

<210> 1299
<211> 485
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl15710068h03b1

<400> 1299

gagaaaactt ttagaaaata ttctttttaa aaaatttagg agttagatag atgatttaat 60

tcttgattta cagtaataga atttgcggcg aatttttgtt ttaaaaaaac catgattatt 120

tttttgtcat tttttttcat cgttggatat gtgaaacaat ttattttcac tttactgtag 180

ccttttgcta tttaaagtta cgtcatagag ctcttttagt aatttataaa taggtgatat 240

agtatatttg gaagaaatat aaatattgac cggcttttttt tattagtcta attgggttaa 300

ttaattcaca tacaaacaaa ataaaataat aataaacctc gattttggaa gaaatgtaat 360

ttggattcct aattgtaact tgtaagtagt aggtccaaat ttttattagt acatgatgtg 420

attaaatcct tgaaatcatt gtcatattca tatagaagaa aagctgagat ttattattta 480

ttata 485

<210> 1300
<211> 489
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl15710073b01b1

<400> 1300

cttttctatc accaaacgcc cggagccccc ctcgggaagg atcccttatc gaattgcggc 60

cgtctcgatc atctgctcga ttcgacgccg ccggacgatt tgggcgcgga atccggaggg 120

gggaatctgt gcgcgcgggc ggaggcgatc gtggggagca gccatgagcg aggtattcga 180

gggctacgag cgccagtact gcgaggaatc cgcttccctc tcccgcaagt gcaccgccgc 240

ctccgctctc gatggagaga agaagaagca gaggctctcc gagatccagt ccggcgtgca 300

ggaagctgaa tcgctgattc ggaggatgga cctggaggcc aggaatacgc cgcctagcgt 360

gaaagcgggt ttgctagcta agctgcggga gtacaaatct gaccttaaca acctcaagag 420

cgagctcaag aggatctcgg cgcccaatgc caggcaaact accaaggagg agcttcttga 480

gtctggcat 489

<210> 1301
<211> 84
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl15710073c02b1

<400> 1301

gactagtctg tttatgaccc cctatttcat ggttatatgt ttcactgctt cttgctatcg 60

aatgctgcgt tccgggtatt taca 84

<210> 1302
<211> 326
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl15710073c11b1

<400> 1302

tctgttgact accactccgg gtacaaggac gggggggggg cgaccacgca gggggacgac 60

atccagcgca aactcgggaa cctgcccgag aagccggagc ccttcaagcc gccgaccttc 120

gccccccaggg tcgacgccga cgagcagccc aagtccaagg agtggctcga cgcgcgcgac 180

cccgacgagc tcgaggagct cgaggacgaa ctcgacgatg accgcttcct cgagcagtac 240

aggaggatga ggcttgcaga gctcaaggag gcagcaaaaa ctgccagatt cggcacagta 300

cagcccatca caggctctga ttttgt 326

<210> 1303
<211> 268

<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl15710073d06b1

<400> 1303

cctgacatgg agggcattcc cccggaccag cagggccgga tctttttttgg taagcagctt 60

gaggatggcc gcaccttggc ggactacaac attcagaagg agtcaaccct tcacttggtg 120

ctccgtctcc gtggaggcca gtaagctcct ggccatggag ctgcttttgt ctctgggttc 180

acaagtctcg tcttcggtgt ccttaaggag tctggtctat gtctgtcgtt gcctgaactg 240

tctttgtttc tataccgtac tatgatgc 268

<210> 1304
<211> 181
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl15710073e12b1

<400> 1304

tcgaattggt accatgacac gctgctttga ggctaaagcg gagcggatgt cgggcctgca 60

tgtctgtccc cccacagctg cactgaatct cgcagcataa gttaggtgtc tccctgaaat 120

cggaatttct cgagttgacc tgcataattc aaattaataa atgttgtatc cttgtatgtg 180

t 181

<210> 1305
<211> 342
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl15710073f03b1

<400> 1305

ccctcgcttc cgcccacgcg tccggcgttc ttgggatcaa ggtgaagatt atgcttgact 60

gggaccccaa gggcaagctt ggccctacca ctccgctgcc tgacctcgtc accatccacc 120

ccccgaagga ggaggacgag ctgcgccccc cggctttggt tgaggtctaa agtcccagta 180

gagcaagcag accatgaaac gtcacatcat tttggtcgta gctagttttc tatccctgtg 240

ataagcgagg gctatgcaac gcttggttac ctattttact ttttaatgga caaaagtttc 300

tgtgtaatgc tgctatgtta atttcgttta aactaagttt tg 342

<210> 1306
<211> 383
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl15710073f11b1

<400> 1306

atctggttat tgctcccgcc gccgccgccg ccggcggggt cacctttgag tcttcgtcgg 60

ggccgcgacg atgccgtccc acaagacctt ccgcatcaag cagaagctgg ccaagaagca 120

gcgccagaac cgccccatcc cctactggat ccgcatgcgg accgacaaca ccatcaggta 180

caacgcgaag cgcaggcact ggcgccgcac caagctcggg ttctagatcc ggcccggccg 240

accgccgcgt gggggagcca tggctcaaga gttatctgca ttttgtttta tggacgtttc 300

agtgtttgtt atgcaagcta ggaagtgatc ccaggatgtc tctgttatca atttcttcgt 360

gttatgagga ttgcttgtac cct 383

<210> 1307
<211> 502
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl5710001a04b1

<400> 1307

cactttgtta catctagcgg atttggattt ctttaacaac taaggttcct gtttttaaca 60

ttttatagcc aagggctttt gcccatctcc aatagctaac aagaactctt tcttttcttt 120

acaaatccca aaacctttac tagacttttt ctgcttcttt agcttacttc acctagagtc 180

ttctaccttt tcttatcatt gaatcaaccc ctttttttt ttcttttaaa cacatcccaa 240

cccaaagtat aagcgcccac ctagtcctat ctagtccgaa aaatgcgaac tagaactaca 300

tgagacacta tctctgtcgt tacgaaccta acactttcta ccaagcttaa tcggaataag 360

acctcacaaa cactcacaag ttatataggg cttgaaagaa agtctaggtt tgggttctgg 420

gttaactgct ctaataagga gagtcagcta cttggattaa aaagagtgat caaaatgaat 480

aagaaaatcc aagtatttta cg 502

<210> 1308
<211> 441
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsf15710001a06b1

<400> 1308

ctttgtcaca tctagcggat ttggatttct ttaacaacta aggttcctgt ttttaacatt 60

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aaatcccaaa acctttacta gacttttttct gcttctttag cttacttcac ctagagtctt 180

ctacctttttc ttatcattga atcaacccct ttttttttttt cttttaaaca catcccaacc 240

caaagtataa gcgcccacct agtcctatct agtccgaaaa atgcgaacta gaactacatg 300

agacactatc tctgtcgtta cgaacctaac actttctacc aagcttaatc ggaataagac 360

ctcacaaaca ctcacaagtt atatagggct tgaaagaaag tctaggtttg ggtttgggtt 420

aactgctcta ataaggagag t 441

<210> 1309
<211> 405
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsf15710001a09b1

<400> 1309

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attttataag ccaagggctt ttgcccatct ccaatagcta acaagaactc tttctttttct 120

ttacaaatcc caaaaccttt actagacttt ttctgcttct ttagcttact tcacctagag 180

tcttctacct tttcttatca ttgaatcaac ccctttttttt ttttctttta aacacatccc 240

aacccaaagt ataagcgccc acctagtcct atctagtccg aaaaatgcga actagaacta 300

catgagacac tatctctgtc gttacgaacc taacactttc taccaagctt aatcggaata 360

agacctcaca aacactcaca agttatatag ggcttgaaag aaagt 405

<210> 1310
<211> 405

<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsfl5710001b04b1

<400> 1310

actttgttac atctagcgga tttggnccgc acctagcaaa tggtaagcca agaaagccaa 60

ctgtctggac aggggctttt gcccatctcc aataggtaac aagaactctt tcttttcttt 120

acaaatccca aaacctttac tagacttttt ctgcttcttt agcttacttc acctagagtc 180

ttctaccttt tcttatcatt gaatcaaccc ctttttttt ttcttttaaa cacatcccaa 240

cccaaagtat aagcgcccac ctagtcctat ctagtccgaa aaatgcgaac tagaactaca 300

tgagacacta tctctgtcgt tacgaaccta acactttcta ccaagcttaa tcggaataag 360

acctcacaaa cactcacaag ttatataggg cttgaaagaa agtct 405

<210> 1311
<211> 468
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsfl5710001b06b1

<400> 1311

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atgtgcagac aaagaaatgc tgctgctgct attcaacgag atcgattcta acctcaaagc 120

gcccagatcc caatgacgag ctcgtcgacg atgtccacca cgttgcagtc gcgccatggg 180

ccccgaatgc gaaccccgtc gacatggcct ggtccgttgt gccggtactg cgatccggcg 240

acttgtccca ttcgaccatc cagttctcgc cctcctcgtc ggcgcttcag agcttcgccg 300

tgaccctgca acaggtggcc ccttcgaagc tgtccagcca cagccgcagc ggcattgaga 360

tcctcgtcct cgacgttgct ccccttccgc tagacancgg tgttcgtcaa cctggagagc 420

gaattgacaa aacggctgga gagcggcgag ggcacctttt acaaggac 468

<210> 1312
<211> 521
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsf15710001b09b1

<400> 1312

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tttaaagcca agggcttttg cccatctcca atagctaaca agaactcttt cttttcttta 120

caaatcccaa aacctttact agacttttc tgcttcttta gcttacttca cctagagtct 180

tctacctttt cttatcattg aatcaacccc ttttttttt tcttttaaac acatcccaac 240

ccaaagtata agcgcccacc tagtcctatc tagtccgaaa aatgcgaact agaactacat 300

gagacactat ctctgtcgtt acgaacctaa cactttctac caagcttaat cggaataaga 360

cctcacaaac actcacaagt tatatagggc ttgaaagaaa gtctaggttt gggttcgggc 420

taactgctct aaaaggagag tcagctactt ggattaaaag agtgatcaaa atgaataaga 480

aaatccaagt attttacggt atccatgagt tcaaatttga t 521

<210> 1313
<211> 512
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsf15710001c05b1

<400> 1313

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gggcttttgc ccatctccaa tagctaacaa gaactctttc ttttctttac aaatcccaaa 120

acctttacta gacttttttct gcttctttag cttacttcac ctagagtctt ctacctttttc 180

ttatcattga atcaacccct ttttttttt cttttaaaca catcccaacc caaagtataa 240

gcgcccacct agtcctatct agtccgaaaa atgcgaacta gaactacatg agacactatc 300

tctgtcgtta cgaacctaac actttctacc aagcttaatc ggaataagac ctcacaaaca 360

ctcacaagtt atatagggct tgaaagaaag tctaggtttg ggttctgggt taactgctct 420

aataaggaga gtcagctact tggataaaaa gagtgatcaa aatgaataag aaaatccaag 480

tattttacgg tatccatgag ttcaaatttg at 512

<210> 1314
<211> 401

<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl5710001c07b1

<400> 1314

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aaatcccaaa acctttacta gacttttttct gcttctttag cttacttcac ctagagtctt 180

ctacctttttc ttatcattga atcaacccct ttttttttttt cttttaaaca catcccaacc 240

caaagtataa gcgcccacct agtcctatct agtccgaaaa atgcgaacta gaactacatg 300

agacactatc tctgtcgtta cgaacctaac actttctacc aagcttaatc ggaataagac 360

ctcacaaaca ctcacaagtt atatagggct tgaaagaaag t 401

<210> 1315
<211> 534
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl5710001c08b1

<400> 1315

cactttgcac atctagcgga tttggatttc tttaacaact aaggttcctg tttttaacat 60

tttaaagcca agggcttttg cccatctcca atagctaaca agaactcttt cttttcttta 120

caaatcccaa aacctttact agacttttttc tgcttcttta gcttacttca cctagagtct 180

tctacctttt cttatcattg aatcaacccc ttttttttttt tcttttaaac acatcccaac 240

ccaaagtata agcgcccacc tagtcctatc tagtccgaaa aatgcgaact agaactacat 300

gagacactat ctctgtcgtt acgaacctaa cactttctac caagcttaat cggaataaga 360

cctcacaaac actcacaagt tatatagggc ttgaaagaaa gtctaggttt gggtttgggc 420

taactgctct aataaggaga gtcagctact tggattaaaa gagtgatcaa aatgaataag 480

acaatccaag tattttacgg tatccatgag ttcaaatttg atgcagacat gata 534

<210> 1316
<211> 440
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl5710001c09b1

<400> 1316

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ttttaaagcc aagggctttt gcccatctcc aatagctaac aagaactctt tcttttcttt 120

acaaatccca aaacctttac tagacttttt ctgcttcttt agcttacttc acctagagtc 180

ttctaccttt tcttatcatt gaatcaaccc ctttttttt ttcttttaaa cacatcccaa 240

cccaaagtat aagcgcccac ctagtcctat ctagtccgaa aaatgcgaac tagaactaca 300

tgagacacta tctctgtcgt tacgaaccta acactttcta ccaagcttaa tcggaataag 360

acctcacaaa cactcacaag ttatataggg cttgaaagaa agtctaggtt tgggttcggg 420

ttaactgctc taataaggag 440

<210> 1317
<211> 244
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl5710001d05b1

<400> 1317

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ccaatgacga gctcgtcgac gatgtccacc acgttgcagt ctcgccatgg gccccgaatg 120

cgaaccccgt cgacatggcc tggtccgttg cgccggtact gcgatccggc gacttgtccc 180

attcgaccat tcagttctcg ccctcctcgt cggcgcttca gagcttggcc gtgaccctgc 240

aaca 244

<210> 1318
<211> 482
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl5710001d06b1

<400> 1318

ctcttcccgc acctagcaaa tggtaagcca agaaagccaa ctgacggcat tgcacatgtg 60

cagacaaaga aatgctgctg ctgctattca acgagatcga ttctaacctc aaagcgccca 120

gatcccaatg acgagctcgt cgacgatgtc caccacgttg cagtcgcgcc atgggccccg 180

aatgcgaacc ccgtcgacat ggcctggtcc gttgtgccgg tactgcgatc cggcgacttg 240

tcccattcga ccatccagtt ctcgccctcc tcgtcggcgc ttcagagctt cgccgtgacc 300

ctgcaacagg tggccccttc gaagctgtcc agccacagcc gcagcggcat tgagatcctc 360

gtcctcgacg ttgctcccct tccgctagac acggtgttcg tcaacctgga gagcgaattg 420

acaaaacggc tggagagcgg cgagggcacc ttttacaagg accatccgac aagccccaat 480

gc 482

<210> 1319
<211> 481
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl5710001d08b1

<400> 1319

cctcttcccg cacctagcaa atggtaagcc aagaaagcca actgacggca ttgcacatgt 60

gcagacaaag aaatgctgct gctgctattc aacgagatcg attctaacct caaagcgccc 120

agatcccaat gacgagctcg tcgacgatgt ccaccacgtt gcagtcgcgc catgggcccc 180

gaatgcgaac cccgtcgaca tggcctggtc cgttgtgccg gtactgcgat ccggcgactt 240

gtcccattcg accatccagt tctcgccctc ctcgtcggcg cttcagagct tcgccgtgac 300

cctgcaacag gtggcccctt cgaagctgtc cagccacagc cgcagcggca ttgagatcct 360

cgtcctcgac gttgctcccc ttccgctaga cacggtgttc gtcaacctgg agagcgaatt 420

gacaaaacgg ctggagagcg gcgagggcac cttttacaag gaccatccga caagccccaa 480

t 481

<210> 1320
<211> 431
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl5710001e04b1

<400> 1320

ccgcacctag caaatggtga gccaagaaag ccaactgtct gcattgcaca tgtgcagaca 60

aagaaatgct gctgctgcta ttcaacgaga tcgattctaa cctcaaagcg cccagatccc 120

aatgacgagc tcgtcgacga tgtccaccac gttgcagtcg cgccatgggc cccgaatgcg 180

aaccccgtcg acatggcctg gtccgttgtg ccggtactgc gatccggcga cttgtcccat 240

tcgaccatcc agttctcgcc ctcctcgtcg gcgcttcaga gcttcgccgt gaccctgcaa 300

caggtggccc cttcgaagct gtccagccac agccgcagcg gcattgagat cctcgtcctc 360

gacgttgctc cccttccgct agacacggtg ttcgtcaacc tggagagcga attgacaaaa 420

cggctggaga g 431

<210> 1321
<211> 401
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl5710001e05b1

<400> 1321

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ttttaaagcc aagggctttt gcccatctcc aatagctaac aagaactctt tcttttcttt 120

acaaatccca aaacctttac tagacttttt ctgcttcttt agcttacttc acctagagtc 180

ttctaccttt tcttatcatt gaatcaaccc ctttttttt ttcttttaaa cacatcccaa 240

cccaaagtat aagcgcccac ctagtcctat ctagtccgaa aaatgcgaac tagaactaca 300

tgagacacta tctctgtcgt tacgaaccta acactttcta ccaagcttaa tcggaataag 360

acctcacaaa cactcacaag ttatataggg cttgaaagaa a 401

<210> 1322
<211> 308
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl5710001e06b1

<400> 1322

caacaacaac aactagttct accgcaacaa caaataccat ttgttcatcc atctatcttg 60

cagcagctaa acccatgcaa ggtattcctc cagcagcaat gcagccctgt ggcaatgcca 120

caaagtcttg ctaggtcgca aatgttgcag cagagcagtt gccatgtgat gcaacaacaa 180

tgttgccagc agttgccgca aatcccccag caatcccgct atgaggcaat ccgtgctatc 240

atctactcca tcatcctgca agaacaacaa caggttcagg gttccatcca aactcctcag 300

cagcaacc 308

<210> 1323
<211> 469
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl5710001e08b1

<400> 1323

gtgttctccg acctcttccc gcacctagca aatggtaagc caagaaagcc aactgacggc 60

attgcacatg agcagacaaa gaaatgctgc tgctgctatt caacgagatc gattctaacc 120

tcaaagcgcc cagatcccaa tgacgagctc gtcgacgatg tccaccacgt tgcagtcgcg 180

ccatgggccc cgaatgcgaa ccccgtcgac atggcctggt ccgttgtgcc ggtactgcga 240

tccggcgact tgtcccattc gaccatccag ttctcgccct cctcgtcggc gcttcagagc 300

ttcgccgtga ccctgcaaca ggtggccccc tcgaagctgt ccagccacag ccgcagcggc 360

attgagatcc tcgtcctcga cgttgctccc cttccgctag acacggtgtc tcgtcaacct 420

ggagagcgaa ttgacaaaac ggctggagag cggcgagggc acctttac 469

<210> 1324
<211> 415
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl5710001f05b1

<400> 1324

cactttgtta catctagcgg atttggattt ctttaacaac taaggttcct gtttttaaca 60

ttttaaagcc aagggctttt gcccatctcc aatagctaac aagaactctt tcttttcttt 120

acaaatccca aaacctttac tagacttttt ctgcttcttt agcttacttc acctagagtc 180

ttctaccttt tcttatcatt gaatcaaccc ctttttttt ttcttttaaa cacatcccaa 240

cccaaagtat aagcgcccac ctagtcctat ctagtccgaa aaatgcgaac tagaactaca 300

tgagacacta tctctgtcgt tacgaaccta acactttcta ccaagcttaa tcggaataag 360

acctcacaaa cactcacaag ttatataggg cttgaaagaa agtctaggtt tgggt 415

<210> 1325
<211> 417
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl5710001f06b1

<400> 1325

gctcaacact ttgttacatc tagcggattt ggatttcttt aacaactaag gttcctgttt 60

ttaacatttt aaagccaagg gcttttgccc atctccaata gctaacaaga actctttctt 120

ttctttacaa atcccaaaac ctttactaga ctttttctgc ttctttagct tacttcacct 180

agagtcttct acctttttctt atcattgaat caaccccttt ttttttttct tttaaacaca 240

tcccaaccca aagtataagc gcccacctag tcctatctag tccgaaaaat gcgaactaga 300

actacatgag acactatctc tgtcgttacg aacctaacac tttctaccaa gcttaatcgg 360

aataagacct cacaaacact cacaagttat atagggcttg aaagaaagtc taggttt 417

<210> 1326
<211> 485
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl5710001f07b1

<400> 1326

tgctctacag tgttctccga cctcttcccg cacctagcaa atggtaagcc aagaaagcca 60

actgacggca ttgcacatga gcagacaaag aaatgctgct gctgctattc aacgagatcg 120

attctaacct caaagcgccc agatcccaat gacgagctcg tcgacgatgt ccaccacgtt 180

gcagtcgcgc catgggcccc gaatgcgaac cccgtcgaca tggcctggtc cgttgtgccg 240

gtactgcgat ccggcgactt gtcccattcg accatccagt tctcgccctc ctcgtcggcg 300

cttcagagct tcgccgtgac cctgcaacag gtggcccctt cgaagctgtc cagccacagc 360

cgcagcggca ttgagatcct cgtcctcgac gttgctcccc ttccgctaga cacggtgttc 420

gtcaacctgg agagcgaatt gacaaaacgg ctggagagcg gcgagggcac cttttacaag 480

gacca 485

<210> 1327
<211> 467
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl5710001f08b1

<400> 1327

tgttctccga cctcttcccg cacctagcaa atggtaagcc aagaaagcca actgacggca 60

ttgcacattt gcagacaaag aaatgctgct gctgctattc aacgagatcg attctaacct 120

caaagcgccc agatcccaat gacgagctcg tcgacgatgt ccaccacgtt gcagtcgcgc 180

catgggcccc gaatgcgaac cccgtcgaca tggcctggtc cgttgtgccg gtactgcgat 240

ccggcgactt gtcccattcg accatccagt tctcgccctc ctcgtcggcg cttcagagct 300

tcgccgtgac cctgcaacag gtggcccctt cgaagctgtc cagccacagc cgcagcggca 360

ttgagatcct cgtcctcgac gttgctcccc ttccgctaga cacggtgttc gtcaacctgg 420

agagcgaatt gacaaaacgg ctggagagcg gcgagggcac cttttac 467

<210> 1328
<211> 203
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl5710001f10b1

<400> 1328

ttggacgcgt gggcggacgc gtgggcggac gcgtgggcgg cgcgtgggaa aaaaaaaaaa 60

aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 120

aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 180

aaaaaaaaaa gggggggggcc ttt 203

<210> 1329
<211> 491
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl5710001g05b1

<400> 1329

tgttctccga cctcttcccg cacctagcaa atggtaagcc aagaaagcca actgacggca 60

ttgcacatgt gcagacaaag aaatgctgct gctgctattc aacgagatcg attctaacct 120

caaagcgccc agatcccaat gacgagctcg tcgacgatgt ccaccacgtt gcagtcgcgc 180

catgggcccc gaatgcgaac cccgtcgaca tggcctggtc cgttgtgccg gtactgcgat 240

ccggcgactt gtcccattcg accatccagt tctcgccctc ctcgtcggcg cttcagagct 300

tcgccgtgac cctgcaacag gtggcccctt cgaagctgtc cagccacagc cgcagcggca 360

ttgagatcct cgtcttcgac gttgctcccc ttccgctaga cacggtgttc gtcaacctgg 420

agagcgaatt gacaaaacgg ctggagagcg gcgagggcac cttttacaag gaccatccga 480

caagccccaa t 491

<210> 1330
<211> 488
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsf15710001g06b1

<400> 1330

tgttctccga cctcttcccg cacctagcaa atggtaagcc aagaaagcca actgacggca 60

ttgcacatga gcagacaaag aaatgctgct gctgctattc aacgagatcg attctaacct 120

caaagcgccc agatcccaat gacgagctcg tcgacgatgt ccaccacgtt gcagtcgcgc 180

catgggcccc gaatgcgaac cccgtcgaca tggcctggtc cgttgtgccg gtactgcgat 240

ccggcgactt gtcccattcg accatccagt tctcgccctc ctcgtcggcg cttcagagct 300

tcgccgtgac cctgcaacag gtggcccctt cgaagctgtc cagccacagc cgcagcggca 360

ttgagatcct cgtcctcgac gttgctcccc ttccgctgac acggtgttcg tcaacctgga 420

gagcgaattg acaaaacggc tggagagcgg cgagggcacc ttttacaagg accatccgac 480

aagcccca 488

<210> 1331
<211> 103
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsf15710001g07b1

<400> 1331

ccgcacctag caaatggtga gccaagaaag ccaactgatc tgcattgcac atgtgcagac 60

aaagaaatgc tgctggtgct attcaacgag atcgattcta acc 103

<210> 1332
<211> 491
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl5710001g08b1

<400> 1332

tgttctccga cctcttcccg cacctagcaa atggtaagcc aagaaagcca actgacggca 60

ttgcacatgt gcagacaaag aaatgctgct gctgctattc aacgagatcg attctaacct 120

caaagcgccc agatcccaat gacgagctcg tcgacgatgt ccaccacgtt gcagtcgcgc 180

catgggcccc gaatgcgaac cccgtcgaca tggcctggtc cgttgtgccg gtactgcgat 240

ccggcgactt gtcccattcg accatccagt tctcgccctc ctcgtcggcg cttcagagct 300

tcgccgtgac cctgcaacag gtggcccctt cgaagctgtc cagccacagc cgcagcggca 360

ttgagatcct cgtcctcgac gttgctcccc ttccgctaga cacggtgttc gtcaacctgg 420

agagcgaatt gacaaaacgg ctggagagcg gcgagggcac cttttacaag gaccatccga 480

caagccccaa t 491

<210> 1333
<211> 466
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl5710001g09b1

<400> 1333

tgttctccga cctcttcccg cacctagcaa atggtaagcc aagaaagcca actgacggca 60

ttgcacatga gcagacaaag aaatgctgct gctgctattc aacgagatcg attctaacct 120

caaagcgccc agatcccaat gacgagctcg tcgacgatgt ccaccacgtt gcagtcgcgc 180

catgggcccc gaatgcgaac cccgtcgaca tggcctggtc cgttgtgccg gtactgcgat 240

ccggcgactt gtcccattcg accatccagt tctcgccctc ctcgtcggcg cttcagagct 300

tcgccgtgac cctgcaacag gtggcccctt cgaagctgtc cagccacagc cgcagcggca 360

ttgagatcct cgtcttcgac gttgctcccc ttccgctagc acggtgttcg tcaacctgga 420

gagcgaattg acaaaacggc tggagagcgg cgagggcacc ttttac 466

<210> 1334
<211> 517
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsf15710001h04b1

<400> 1334

cactttgtta catctagcgg atttggattt ctttaacaac taaggttcct gtttttaaca 60

ttttaaagcc aagggctttt gcccatctcc aatagctaac aagaactctt tcttttcttt 120

acaaatccca aaacctttac tagacttttt ctgcttcttt agcttacttc acctagagtc 180

ttctaccttt tcttatcatt gaatcaaccc ctttttttt ttcttttaaa cacatcccaa 240

cccaaagtat aagcgcccac ctagtcctat ctagtccgaa aaatgcgaac tagaactaca 300

tgagacacta tctctgtcgt tacgaaccta acactttcta ccaagcttaa tcggaataag 360

acctcacaaa cactcacaag ttatataggg cttgaaagaa agtctaggtt tgggttctgg 420

gttaactgct ctaataagga gagtcagcta cttggattaa aagagtgatc aaaatgaata 480

agaaaatcca agtattttac ggtatccatg agttcaa 517

<210> 1335
<211> 405
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsf15710001h05b1

<400> 1335

cactttgtta catctagcgg atttggattt ctttaacaac taaggttcct gtttttaaca 60

ttttaaagcc aagggctttt gcccatctcc aatagctaac aagaactctt tcttttcttt 120

acaaatccca aaacctttac tagacttttt ctgcttcttt agcttacttc acctagagtc 180

ttctaccttt tcttatcatt gaatcaaccc ctttttttt ttcttttaaa cacatcccaa 240

cccaaagtat aagcgcccac ctagtcctat ctagtccgaa aaatgcgaac tagaactaca 300

tgagacacta tctctgtcgt tacgaaccta acactttcta ccaagcttaa tcggaataag 360

acctcacaaa cactcacaag ttatataggg cttgaaagaa agtct 405

<210> 1336
<211> 357
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl5710001h06b1

<400> 1336

ggattccttt aacaactaag ggtcctgttc ttaacatttt taagccaagg gcttttgccc 60

atcttcaata gctaacaaga actgtttatt tggtttacaa atcccaaaac ctttactaga 120

ctttgtctgc ttctttagct tacttcacct agagtcttct acctttttctt atcattgaat 180

caaccccttt tttttttgt ttgatacaca tcccatccca aagtataagc gcccacctag 240

tcctatctag tccgaaaaat gcgaactaga actacatgag acactatctg tgtcgttacg 300

aacctaacac tatgtaccaa gcttaatcgg aataagacct cacaaacact cacaagt 357

<210> 1337
<211> 492
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl5710001h07b1

<400> 1337

tgttctccga cctcttcccg cacctagcaa atggtaagcc aagaaagcca actgacggca 60

ttgcacatga gcagacaaag aaatgctgct gctgctattc aacgagatcg attctaacct 120

caaagcgccc agatcccaat gacgagctcg tcgacgatgt ccaccacgtt gcagtcgcgc 180

catgggcccc gaatgcgaac cccgtcgaca tggcctggtc cgttgtgccg gtactgcgat 240

ccggcgactt gtcccattcg accatccagt tctcgccctc ctcgtcggcg cttcagagct 300

tcgccgtgac cctgcaacag gtggcccctt cgaagctgtc cagccacagc cgcagcggca 360

ttgagatcct cgtcctcgac gttgctcccc ttccgctaga cacggtgttt cgtcaacctg 420

gagagcgaat tgacaaaacg gctggagagc ggcgagggca ccttttacaa ggaccatccg 480

acaagcccca at 492

<210> 1338
<211> 468
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsf15710001h08b1

<400> 1338

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ttcctgtttt taacatttta aagccaaggg cttttgccca tctccaatag ctaacaagaa 120

ctctttcttt tctttacaaa tcccaaaacc tttactagac ttttttctgct tctttagctt 180

acttcaccta gagtcttcta ccttttctta tcattgaatc aacccctttt ttttttttctt 240

ttaaacacat cccaacccaa agtataagcg cccacctagt cctatctagt ccgaaaaatg 300

cgaactagaa ctacatgaga cactatctct gtcgttacga acctaacact ttctaccaag 360

cttaatcgga ataagacctc acaaacactc acaagttata tagggcttga aagaaagtct 420

aggtttgggt ttgggttaac tgctctaata aggagagtca gctacttg 468

<210> 1339
<211> 466
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsf15710001h09b1

<400> 1339

tgttctccga cctcttcccg cacctagcaa atggtaagcc aagaaagcca actgacggca 60

ttgcacatga gcagacaaag aaatgctgct gctgctattc aacgagatcg attctaacct 120

caaagcgccc agatcccaat gacgagctcg tcgacgatgt ccaccacgtt gcagtcgcgc 180

catgggcccc gaatgcgaac cccgtcgaca tggcctggtc cgttgtgccg gtactgcgat 240

ccggcgactt gtcccattcg accatccagt tctcgccctc ctcgtcggcg cttcagagct 300

tcgccgtgac cctgcaacag gtggcccctt cgaagctgtc cagccacagc cgcagcggca 360

ttgagatcct cgtcctcgac gttgctcccc ttccgctaga catcggtgtt cgtcaacctg 420

gagagcgaat tgacaaaacg gctggagagc ggcgagggca cctttt 466

<210> 1340
<211> 154
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl5710002a10b1

<400> 1340

cctacgcgtt cgcaacgatc gagtgtctag aaactgatcg accgtgcacg tacgtacgta 60

cgcgatgaag cgtgcgcatg catgcatgca cctggtttcg tttgtacaac catgatgtaa 120

agtacgaagg ttgaatgcaa aagtctgttg ctag 154

<210> 1341
<211> 60
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl5710002h10b1

<400> 1341

cccacgcgtc cgcccacgcg tccgcccacg cgtgcgccca cgcgtccgcc cacgcgtgcg 60

<210> 1342
<211> 354
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl5710003b06b1

<400> 1342

tatcgccctc tttataatgc gatgagaact gagagtgctt tgaagtttgg gtggtttttc 60

ctattttaca tgattcacat aatcttctgc gtgtggtcag ctgcgtctcc cccattccct 120

ttcaaaggaa attctttgac tgggattttg cctgccattg atgtcataac caagagcctt 180

attgttggga tattttactt tgttggattt ggattgttct gccttgaatc actgctgagc 240

ataggtgtca ttcagcaagt gtacatgtac ttccgtggaa gtggaaaatc ccaggagttg 300

aaacaacagg cagcacgtgg tgccctgagc tctgcgttct gatgaagaaa acca 354

<210> 1343
<211> 223
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl5710003b09b1

<400> 1343

gtacgagggt ggagggaatg atcttaaata aattatactc catctcaaag aaagacttgt 60

ttcttcctgc gaggattttt gtaatggtaa tattttcctg tgttccaaaa tccagtgccg 120

ccttcggttt ttatttcttc atttcaaatg gaattgattg atttccattt cataattgca 180

gtcaaattgt caaaatataa tcaaagttat ttttttttcat aaa 223

<210> 1344
<211> 88
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl5710003b12b1

<400> 1344

cctgaacttg ccgcagcttg tgaagtatgg aaggcgatca aattcgagtt cgagccggta 60

gatactattg ataagtagat aaaactaa 88

<210> 1345
<211> 330
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl5710003c02b1

<400> 1345

cggacgcgtg ggcggacgcg tgggcggacg cgtgggcgac ggcaagctct acgtctgcaa 60

ggcgcaagcc ggagacaaga ggtggttcaa gggcgccaag aagttcgtcg agaacgccgc 120

aggatccttc agcgtcgcat aaatatacac gaccgaccgg cgagtttaat ggaaatttcc 180

tcagggatgc accatgtaga gaccgatcga gggcatgcat gtgtgtttct ttgatttgta 240

catgaggatg gatgaactaa gaggtcgatt tccctcaagg attcatgtgt gcacaatgat 300

taagaaatct tagtaataat gtttcaaaaa 330

<210> 1346
<211> 136
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsf15710003c07b1

<400> 1346

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tttgatatgt tattctgttg agacctaagt atctgtgcaa tgagaactgc aaaccacctt 120

gggatggtct ttttag 136

<210> 1347
<211> 368
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsf15710003d02b1

<400> 1347

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ctgattatgc ataataacgc atgcacgaac tatgacatcc atgagcagat cgatcaagaa 180

cctatgatgc tgaaaagtta attacaagta atcgaggggc aaatcaatac gcgtatttgc 240

atatatggcg aggtgagggt gagaatcttg agatggtatg aatatgttag agaagacgtt 300

gaagcagggt gcatgttttt tcttcaggct ggttggttca gatctgtagt catgatgcaa 360

acaaatgt 368

<210> 1348
<211> 84
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsf15710003e04b1

<400> 1348

cgtacgcgtg ggttgtaatt tagtgttgaa ttgccatcgt acttaggata aattatggcc 60

tgagtaataa agttcatttt aatt 84

<210> 1349
<211> 357
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl5710003e09b1

<400> 1349

aaataaggag gagcctcacc aactaaggag gcccaaacag gacagctgtt gtgtacattc 60

tcctgttcct gccatggagg cttggaggag gaatgccctg cgctgcgcgc ttctcgtgct 120

gctcctcgcc gtttcaagcg gggtggcgag ggctcagggg ggcggcgagt gctggagcac 180

ggacatgggg tacggcatct gcgtgaagcc cggcgggtgc agagctgcct gccatgccct 240

cggcaagaac gacggccagt gcaacggggg ctacttctgg ccggtctgcg agtgcctgtc 300

tccacactgc cactaggatc ggattggcgt tgctactagg caggcagacg cctcgtc 357

<210> 1350
<211> 60
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl5710003f06b1

<400> 1350

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<210> 1351
<211> 60
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl5710003f08b1

<400> 1351

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<210> 1352
<211> 68
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl5710003g02b1

<400> 1352

aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 60

aaaaaaaa 68

<210> 1353
<211> 374
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsf15710003g05b1

<400> 1353

gtttgccatc cggtttggca ccgttgagaa ttgcaagaag tttaaagact tagttgatga 60

gatcgctgag tcgcttgcaa agaatgaagg cggtgaaagc gaagaaggtt cttccgcagc 120

tggactgctg gagaaactta gtgtaagtga aagcaaacct gaggaaagcg cagctaagga 180

ggaatcaact gatgctagca aggagacaga aaccaaagcc gcgacagccc cctcagagta 240

gtgggcagag caacgcccgt cacaatggta ccgctgagca ttgctcggtg gcaagagtca 300

gtttgtcggt ccttcctgtt gacggaagtt ggtagtcgtt gacgatgaaa tatgctgaga 360

actttntgag acag 374

<210> 1354
<211> 143
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsf15710003g12b1

<400> 1354

tttatncggt ggaatcttct atgctaaaga ttacctatct tatgtgcttt taggctgaat 60

tttgcggatt tgatatgcta ttctggtgag acctaagtat ctgtgcaatg agaactgcaa 120

accaccttgg gatggtcttt tta 143

<210> 1355
<211> 292
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsf15710003h05b1

<400> 1355

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acaacctgct caccgtcatc tccggcgccg ccgagagggt gcccagcctg tgagctggcc 120

gttaattgcc cgtccgccgc cgtcggctgt tgatgatcag ctgcatgcgc gcgatgcagc 180

atcatgtgct gtgtgaattt taccggggaa aagtatgaga gtacgaatgt gccgtacgtg 240

taaattatca aggggcagaa gaaacatgac cgttctgatt tctgatggga aa 292

<210> 1356
<211> 136
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsf15710003h06b1

<400> 1356

gtttcagaat gtgcgtcgtg ttagatccat gttagaaccc tgttcctctc gtggtgggtg 60

gatgtgttat gcctaatctg gtggtacctt cttgttgcca tcagcaatgg aaatgaaaat 120

gtttgtccct gttctc 136

<210> 1357
<211> 337
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsf15710003h08b1

<400> 1357

ttagaggaga gctcacaaga taagatggcg cacatgcgcg tggtgcaccg ggacgaggag 60

ggccacaagg tggcggagaa gctgccggtg ccggagacga ggcgcccgga cacggccagg 120

cacgtggagc gcaagctgga ggagcagggg ctgcaccggc tggagcgcca cccggccaac 180

gcgccccgga gcgtaggcat cggcgcgccc ccgcccaagt ccggccgcgg ctgcaagtac 240

acctgggagg gccccgaggg gctggtcgac agcgagctcg accccgtgcc cgccgccatc 300

gaccgcaacg accccaacta cgacgaggag gaaggcg 337

<210> 1358
<211> 73
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsf15710004a04b1

<400> 1358

cccacgcgtg cgcccacgcg tccgcccacg cgtgcgtcca cgcgtgcgcc cacgcgtccg 60

cccacgcgtc cgc 73

<210> 1359
<211> 74
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl5710004a10b1

<400> 1359

tttacgcgtg ggtgtgttct ctcttcacat gtgtgtattt tacaattgtt caaattgttg 60

agaaccattt catg 74

<210> 1360
<211> 348
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl5710004b05b1

<400> 1360

cccacgcgtc cgcgcaaagt tcgaggagct caagctcaag gagatcaaga acgggcggct 60

ggcgatgctg gcgttcgtgg ggttctgcgt gcagcagtcg gcgtaccccg gcaccggccc 120

gctggagaac ctggccacgc acctcgcgga cccgtggcac aacaacatcg gcgacatcgc 180

catccccaga aatatctacg gcccttgagc ggagccgacc gggctgaggg gagatcgagg 240

agccggagca catggttttc attcatgttt ctgcgtcgat cgactggttg atcaacttgc 300

cacgctggct ctgcgcgcgt acgtccgtgc gtgcaggaac tgtacaac 348

<210> 1361
<211> 118
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl5710004c04b1

<400> 1361

ctttacgcgg ggtttatacc agttcgagcc ggtagatact attgataagt agataaaact 60

aaagataaag aagagaaggc ctaaataaaa aagaaacgaa actaaatgga aaaaacat 118

<210> 1362
<211> 111
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl5710004e01b1

<400> 1362

gttgatcatc actgacaggg agacgggccg atgccgcggg tccgggttag tcaccttcgc 60

gtcggacgag gcgatgcgcc aggctatcga ggccatgaac ggccaggacc t 111

<210> 1363
<211> 124
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl5710004e04b1

<400> 1363

tcgcttttgt tatttataat atgagtcctt agctatctgt tcaactaaaa aaaagttgtt 60

atctgttgga catgtttgtg agattgtata attacatatg tattatgaag ttgctagttt 120

cagt 124

<210> 1364
<211> 278
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl5710004e05b1

<400> 1364

tcggtttgcg gcttttctgg gcggtcaccg gctggttctc cacgggcggt gctccggggg 60

cgccggcggt gagggccagg ccgtcggccg gcacggtgga cgtggcgcgc ttcgcgttcg 120

gcagcgccct gctctggcac cccagccggt gggacagctt ccccgtctac gagcccgacg 180

cctcacagga tttcgtgaag ttcgtgcatc ggttggccgc ggtggattac aacaagtctg 240

gggggatgcc caaccgggat tgctcggagg ttatggtg 278

<210> 1365
<211> 155
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsf15710004e06b1

<400> 1365

attaattgca cctatctcat aacagaccag tagcttgaaa ccatgcatgc atgcagtacg 60

atcgactaca aggactggca agcaagcatt ttagtgtttg tgtggacgtg tacatataca 120

aatcactgca tggaatattc aagaggaccc tacgt 155

<210> 1366
<211> 250
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsf15710004f05b1

<400> 1366

tcggttatga tgactttgct gcggttataa ttgatcaaaa aggcaatcca aaaggaactc 60

gagtttttgg cgcgattgcc gtggaattga gaggattgaa ttttaccaat gtagtttcat 120

tagctcctga agtattataa atactagtgg gcgaaattga gatcaaagaa ttaatttagt 180

agattgtgtt ttacgtatat gttttaaaat ccaaaatgaa aaaaaaaaaa agaacacatg 240

ttgattatag 250

<210> 1367
<211> 75
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsf15710004f11b1

<400> 1367

ctcacgcgtg cgaccacgcg tacggccacg cgtacgctag ttctagctca aaaaaaaaaa 60

aataaataaa catga 75

<210> 1368
<211> 98
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl5710004h11b1

<400> 1368

tttcgtccgg tcgatgactt tttttgcaca acaaaagtta tggacgttca aacagacttg 60

ctggctgacc gtgtgaatgt cgatgacttt cgttgtgc 98

<210> 1369
<211> 263
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl5710005b03b1

<400> 1369

taacaccctc atcaggcctg atggcaagaa gaaggcgtac gtgaagctga caccagacta 60

cgatgctctt gacgtggcca acaagatcgg catcatataa gccagaggga gggtcctgca 120

gtaggcgctt gtgtcgtggt ttcttatgtt atcggaattt tgtagttgtt acttagcaaa 180

gggccttagt ggctccattg cctaccatat cgctgcacac tttcatgaat ttgatgcaat 240

cgaagtgact tgtgttgatg cta 263

<210> 1370
<211> 242
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl5710005c01b1

<400> 1370

cccacgcgtg cggtccgcct caggcccgtc ggggaccccc ctgaccgcct tcccgcggag 60

cgcttgtcgt agctgctgct cggcggcgcc gagtgggact tcaggctcct cgactgccgc 120

cacggcctcg tgctcatctg cgacacctcg cggaacatgg tgactggtct gggaccccgc 180

caccggcggc cagcactggg aggacgctca gggagaaaac ccccatcagc tgggcggggc 240

tt 242

<210> 1371
<211> 85
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsf15710005c08b1

<400> 1371

cccacgcgtc cgcccacgcg tccgcccacg cgtgcgccca cgcgtgcgcc cacgcgtccg 60

cccacgcgtc cgcccacgcg tccgc 85

<210> 1372
<211> 127
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsf15710005d03b1

<400> 1372

ctactcccca gtggccagca actctgaacc tcccggacca agttagcaat ggcaaagcgc 60

ctcgccgtcg cgctcctgct gctggtcctg ctcgcgtcca gcgacgccgg tgctgctgcc 120

cgtgctg 127

<210> 1373
<211> 303
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsf15710005d05b1

<400> 1373

gcttaaaaga aatatttgtt tgggtttcca ttgaactttc ttctatgagt tggtttcacc 60

agggagggga acctggtgat taatcatggt gttgggtttg ggatgtgtaa cctgggtttt 120

gtggagggtt tggaatcaaa tgcctatggg ggtcgactaa tcaaggccgt gttgcatcaa 180

gctgctcaag gagaacaaaa atgtcttgga agacaggagg tggccatctg atcgtggcgc 240

tatcttcttg atctcttggt gttagtctga ttttgtggtg tggtcttgtt ctgtactctg 300

ctg 303

<210> 1374
<211> 318
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsf15710005d06b1

<400> 1374

catacgtggg cctggtgccc catcgcagga gacagccatg ccggcagcag gaaagtccat 60

caatgtccgc gaattcatcg acgagcgcgc ggtcagcccg ttccagtggc tggtcgggtt 120

tctgacgttc gtcgacatct cgctggacgg atgggatacc gtcatcatcg gcttcgtcgt 180

gcccgagctc atcaaggaat ggggcgttac caagagcgcg ctggcgccgg tactcagcgc 240

cgcgctgttc ggcctcgcgg ccggtgcgct gctcggtggg ccgatcgccg accggttcgg 300

acgcaagcgc gtgctggt 318

<210> 1375
<211> 380
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsf15710005d12b1

<400> 1375

accacgcgtg cgcccacgcg tccggccacg cgtgcgccca cgcgtgcgcg caaacacaac 60

tactccccag tggccagcaa ctcggaacct cccggaccaa gttagcaatg gcaaagcgcc 120

tcgccgtcgc gctcctgctg ctggtcctgc tcgggtccag cgacgccggt gctgctgccc 180

gtcctgctaa tggcgtccgc gagaagaagg ctctggtgcc cgggctgccg gtggacctcc 240

ctgggctccc tgggctgcct gggctccctg ggctccctgg cctgccgggg ctccgtgggc 300

tgcctgccct tcccaaatcc accgccacca acaagtctcc atgatcgtct gtggtgtacg 360

tgctggctta catgcaagct 380

<210> 1376
<211> 99
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsf15710005f07b1

<400> 1376

tcgctgacgc gtgggcggac gcgtgggcgg acgcgtgggg taccccaaa cttgctccaa 60

ttttggtcct tgcggatatg tacctgattc ggacctgtg 99

<210> 1377
<211> 339
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl5710005g09b1

<400> 1377

cgataattaa tgcttcaact atttcgactc catttgcttc gttttcattc agcgcaactg 60

cttcttttga agtccaaact ccatcaagga tagaggtcca attcaaagag gggagcttcc 120

agcctcctga gatatcatca tcggtaaatc tacctgaaca gatcgccata ttcgggcaga 180

agttcagcct ggggactgtt aaggagctgc tggagccttt gcagcgagca tttgctagca 240

ttgcagggtc catctctggg cagccacccc tcaaggtacc gattcctggg gacaacaagg 300

ccaaggtcgt ggcttttgac aacctacctg gacaaagac 339

<210> 1378
<211> 344
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl5710005g12b1

<400> 1378

cggacgcgtg gtcccacgcg tccgcgaaca cacaccatat caatcaagaa aaccccgaga 60

ggatcatggc cggcgtgaac accagtgtgg tcggcctcaa gcccgccgcg gcggtgccgc 120

agtccgcctc gtcggcggag gcaaagcgcg tgcaggtcgc cccggtcaag gaccggcggt 180

tggcgcttct cggactggcg gtggtcttcg ccgtcacggc cgcctgcgcc gggtcggcca 240

gggcaagcgt ctttgacgag taccttgaga agcgcaagct caacacggag ctgtccgaca 300

agaagagggc ggcgaccagc ggggccaact tagcgcgcgc ctac 344

<210> 1379
<211> 110
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl5710005h08b1

<400> 1379

ggttaactct agctgagtac tcggccttgt tttaatgtct taactgaagt gaaccttggc 60

aattagtggg tctgttaatg tccatcggta cttgtatgct tgtgtgtggc 110

<210> 1380
<211> 366
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl5710006b02b1

<400> 1380

cccacgcgtc cgcggacgcg tggggatcga tcgatcggtg cgcggcgtcg ccgtcggaga 60

gagacgacca gaaggtgcag ttcccgccat gattgggacg gctgcacgaa tgaccggggc 120

ggtgggtcaa ctgccgccgg tgggtcaccg aaaatttctc cggttttcac acgctgcttg 180

ccggaatgta cgaggatcaa cggcagccac tagcaaatgg cagaagaaac aagacgcact 240

ttgtacttat tttcgccttg catggctctc gtgttcgcgt caaaaatgcc ctatgagaga 300

cgctaatatg aaaaaataat attggtgtac atgatgggaa aacgtcacaa ttgttggtat 360

acaatg 366

<210> 1381
<211> 398
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl5710006c04b1

<400> 1381

cccacgcgtc cgctcctccc cactcagtcc tcggttcccg gtccggtccc gttccgttcg 60

ttagggttta gtagtagcgg ggaagaggaa ggaatggcgg acgtcgagta ccgctgcttc 120

gtcggcggcc tcgcctgggc caccgacgac cagtccctcc agaacgcctt ctccaagtac 180

ggcgacgtca tcgactccaa gatcatcact gacagggaga cgggccgatc ccgcgggttc 240

gggttcgtca ccttcgcgtc ggacgaggcg atgcgccagg cgatcgaggc catgaacggc 300

caggacctgg acggccgcaa catcaccgtc aacgaggcgc agtcccgtcg ctccggcgga 360

ggaggcggcg gcggcttcgg cggcggcggt ggcggcta 398

<210> 1382
<211> 364

<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsf15710006h04b1

<400> 1382

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caggaatgca tgtgaattgg agcagaaggg gaatttcgag ttggtggaac aaaggaaagc 180

aatggagaag agtatgattt cgatggcaca agaaattcaa caaatgcggg ccgaattagc 240

taattttgat ggcagaccat ggggcacagg tggagcacat gggatgaagc tgggcagtcc 300

tgaagcgacc ttccctactc aatatggaga taaatacaat atacatgcgg ggagtttctg 360

agaa 364

<210> 1383
<211> 110
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsf15710008a08b1

<400> 1383

ataaaaaaaa aaaaaaaaaa aaaaagaaat aaagaataaa aaaaataaaa aaaaaaaaaa 60

aaaaaaaaat ctaaaaataa taaaaaaaac acaccacccg taccaaaaag 110

<210> 1384
<211> 441
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsf15710008a09b1

<400> 1384

gcggaactgc cccaaccacg cctgggactg gagactgccc gccctcgccg tcgacaggcg 60

ccgcccctac tacgcctggt ggcgaggacg ccccgcccgc gccgtctagt gacacctccc 120

cgaccacccc tggtggaggc tactacccgc caactccgtc aagcggcact gcaccaacca 180

cgcctgggac tggagactcc ccgccagcgc cgtccagtga cacctctccg actacccctg 240

gtggaggcta ctacccgcct actccgtcca ccggtactgc cccaaccacg cctgggactg 300

gagactgcct gccctcaccg tccgccggca cctctcctag cacccctggc ggtggtgact 360

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ccgccggcac ctctcctacc a 441

<210> 1385
<211> 201
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsf15710008b01b1

<400> 1385

gatctgcgcc ttatgtatgt tatttttgct cgcatcaggc tggactggga tcgctggaga 60

gggcgtacgg taaaggttgc ccccatccag gcagagccca gggatcgata tgtgtatatt 120

atatataaca atgctacact gtaacatgaa atgaaatgca gaggaattaa aatgcgtgag 180

tttccttaca aaggcaacgg t 201

<210> 1386
<211> 100
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsf15710008b02b1

<400> 1386

aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaagaaaaaa aaaaaaaaaa aaaaaaaaaa 60

aaaagaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaatggg 100

<210> 1387
<211> 143
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsf15710008b06b1

<400> 1387

gggggggggg ttttttggg ggtcccgttt ttttccccgg ggggttgggg ggtttttttt 60

ttttttgggg gccctttttt tttgtttccg gggccggttt ttccccctgg gggggtgggg 120

aaaccccggg ggcccccccc ttt 143

<210> 1388
<211> 98
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl5710008b07b1

<400> 1388

attaaaaaaa aaaaaaaaaa aaaaaggaaa aaagaaaaaa aaaaaaaaaa aaaaaaaaaa 60

aaaaaaaaaa aaaaaaaaag gggggccgtt tttgaggt 98

<210> 1389
<211> 295
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl5710008d10b1

<400> 1389

tcgtccctcc tctctgtgga ggaaggagag agacggaccc caacatacag gggcggagag 60

ggatcatgct gaagcttagg ctctgtctcg tcgggctccg gccagagacc gactactgct 120

aagaggatgg ccaatcggac cagcgtgccc aagttcggca cctgggacag ggacgatgtg 180

ggctacacgg tctacttcaa taaggtgcgc gagaacaagg gcgccaccgc gccgacggtc 240

catgggacgc tcaaccccaa cgacccttaa gaggaagccc cgagggtgat ccccc 295

<210> 1390
<211> 144
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl5710008e01b1

<400> 1390

cttggcttca tgaaataaaa tcctccatgt attctcaaat gttgcatggc gtgcattaaa 60

aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaataaaaaa aaaaaaaaaa 120

aaaaaaaaaa aaaaaaaggg gcgg 144

<210> 1391
<211> 401

<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl5710008e02b1

<400> 1391

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taccggtagc ttcaggtggt attcatgttt ggcatatgcc agctctgacc gaaatctttg 120

gggacgattc tgtattacaa tttggtggag gaactttagg acatccttgg ggaaatgcac 180

ctggtgcagc agctaatcga gtggctttag aagcctgtgt acaagctcgt aacgaagggc 240

gcgatcttgc tcgcgaaggt aatgaaatta tccgagcagc ttgcaaatgg agtcctgaac 300

tagccgcagc ttgtgaagta tggaaggcga tcaaattcga gttcgagccg gtagatacta 360

ttgataagta gataaaacta aagataaaga agagaaggta t 401

<210> 1392
<211> 72
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl5710008e09b1

<400> 1392

cccacgcgtc cgcccacgcg tccgcttgag accatgcttg caagccagtt atgaatatca 60

tttgtagcaa aa 72

<210> 1393
<211> 165
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl5710008f04b1

<400> 1393

cccacgcgtc cgcccacgcg tccgaagatc atgcaaattg ctttgttgca tactactccg 60

tacataacat agttgaacca tgagcatcca tcactctata aaatcatact aaaatatgtt 120

atgtacggag tagtatgcaa caagatcatg caaattgctt tgtaa 165

<210> 1394
<211> 243

<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsf15710008f11b1

<400> 1394

cgacgggggc ggttcgccgc ccccgacgtc gcgagaagtc cattgaacct tatcatttag 60

agaaagggag ggtttactgt cgacgatgag gacattgaca agctccttgc agagattgag 120

gaccggcctg ctgccgctga ggagcctgag cccaaggcag gcaaggcaga ggatactgtg 180

cctgctgctg ctgctgctgc tgctgccacc agtgtggatg atgctgaagg gaagaaatcg 240

aag 243

<210> 1395
<211> 111
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsf15710008g11b1

<400> 1395

cccacgcgtt cgcccacgcg tccgcacgag cagagcagag tggtgaactg atattgtgtg 60

cgccgtacta tgtgcgtctt tatgtaatgt gcgtgcttta tctataaact a 111

<210> 1396
<211> 364
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsf15710008h03b1

<400> 1396

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ggtgctgagt tcgacgaggg tgaggacggt gacaagggcg acgagtacta cagcctgcct 180

cctggtgctt tcgcaaggcg tgctgctgct atcccatgat ctgcccgagt ggctttatct 240

gttatctgtc tgtttgaatc tttgctttgt ggtgtttgtt ttacaacctg ttgtgttgga 300

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ctaa 364

<210> 1397
<211> 91
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsf15710008h09b1

<400> 1397

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ataatagctc tgcctgctac ttttgtccgg c 91

<210> 1398
<211> 60
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsf15710009a01b1

<400> 1398

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<210> 1399
<211> 221
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsf15710009a02b1

<400> 1399

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gcgaccatag ccacgatgac catgctcaag cccgccaaga tcacggccag gtcggcgcct 120

tcgtcgtcac cgtcagtcag caccaaggtg gcgtccccga gcatctcgct gcgcagcctg 180

cagaagaacg cggccaagaa gggggccctg gccgtgtcgc c 221

<210> 1400
<211> 54
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsf15710009a03b1

<400> 1400

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<210> 1401
<211> 122
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsf15710009b11b1

<400> 1401

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tagccctact gctagtgttt gatgatgatg atggcgatcg ccattttgtc caatcaaatc 120

aa 122

<210> 1402
<211> 361
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsf15710009c01b1

<400> 1402

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aaactgaaac agcatatgcg gatcatctat ctactgacgt ccggctcgcc ggagggcctc 180

acgccggcgc gatggacacc ttgtcgacct gcacgacgta ctcgagcgtc gccccggggg 240

gcacctgcgc gccatcgtcc ccgaaatccg cgccgtcctc gccgaagccc aggctcgccg 300

ggacgaccac gcgccgcttg ccgccgttcc gcatggaccg cagcgcgtac tcgatgccct 360

c 361

<210> 1403
<211> 88
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsf15710009c03b1

<400> 1403

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aaaaaaaaaa aataaaaaaa gggcggcc 88

<210> 1404
<211> 184
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl5710009c12b1

<400> 1404

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aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 120

aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aggggggggc 180

tttt 184

<210> 1405
<211> 334
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl5710009d12b1

<400> 1405

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gcggcgaaga agcctgcgga ggaggagccc gcggcggaga aggccgagaa ggcccctgct 120

gggaagaagc cgagggccga gaagcgggtt ccggcgggca agaccgcctc caaggagggc 180

ggcgagaaga ggggcaggaa gaagggcaag aagagcgtcg agacctacaa gatctacatc 240

ttcaaggtgc tgaagcaggt gcaccctgac atcggcatct cctccaaggc catgtgcatc 300

atgaactcct tcatcaacga catcttcgag aagc 334

<210> 1406
<211> 66
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl5710009e03b1

<400> 1406

cccacgcgtg cgggccgtct catgatttgg cgatttcaat tggtttaaag caaaaagaat 60

aaccct 66

<210> 1407
<211> 137
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsf15710009e04b1

<400> 1407

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ccgaccacgc gtacgtgtac tgctgacacc taattctctc ctagaaaaaa aaaagacaaa 120

gaaaatatga ggaggag 137

<210> 1408
<211> 455
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsf15710009f05b1

<400> 1408

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gaagaatccg aggaaggctc cccatctagg gttgaatcag aaaatggaga tggtcctgct 120

gggggattca ccagagcact gcgagaacgc attgagcccc aagaaaaatc tttagaggct 180

ggagctttga tctccaagtt gaccgaagaa aagaattctg caattcaaca gaaccataaa 240

attagacagg aacttgatat gatgagacgg gaagtcagca agaggcgcgg tggagggttt 300

tcctttgtaa ttgtcataat tgtagctttg atcgggatct tcctgggcta catgatgaag 360

tcataattct tttcatccgt atcacttgac cgtatcgaag ggaactggac ttgctagtca 420

tgtttgggaa cttgaaagat cattcgagat caaat 455

<210> 1409
<211> 231
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsf15710009f06b1

<400> 1409

attttccatt tatttagtta gtttttctta atgaaattga aattattaaa gagggcaaat 60

aaaaataaag aaacaacttt gctgaccatg atatattttt atctaggcgg aagagtcctc 120

ttaatattta tctagtctta tataggtttc ggtatattga aatataaaca taaaaaagaa 180

gatagaggat aggctcatta cttaaaaaaa agatatggaa atagctatag a 231

<210> 1410
<211> 109
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsf15710009g10b1

<400> 1410

ctgaaggaga gggagctagc catgatgaag actggggggt gatgatggga tttggaccgg 60

ggttcactgt ggagacgatg ctgctgcacg ctgccaccta ggtaattag 109

<210> 1411
<211> 62
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsf15710009h07b1

<400> 1411

cggacgcgtg tggcggacgc gtgggcggac gcgtgggcgg acgcgtgggc ggacgcgtgg 60

gc 62

<210> 1412
<211> 192
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsf15710010a04b1

<400> 1412

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gcatgtaccg ttccaaacct gccatgttgt cctccctctt ttgctcgtct tcgaccactc 120

gaaatgtaag agaccaatgt tttatagaga aatactggga actgtttgaa taacacccca 180

agcaatttgt gc 192

<210> 1413
<211> 343
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsfl5710010b07b1

<400> 1413

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aggagccact cgacgaccct gacaataaca acatgaggcc ccaacaggta tacacgggcg 120

tttggctgag gcattacacc cctgtgaggg aacgagtgac atctaaccag ggcgaggaac 180

ttggtcagat cgctacatcg aacgcgacga ggcgtcgccg tgccggttct tccctgtaga 240

acaacagcac gcatggatgc atggtgcagc atccagccca cacaataaac caagctgctg 300

tccttgccac tcacaacgcc tcagcggctc gagtatgggg gct 343

<210> 1414
<211> 365
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl5710010b08b1

<400> 1414

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gccgtgccgc gctccgtgaa gtcggtcggg cccatcgagg actactggtt tgtccccgcc 180

ggcgtcgaca tggcgggcta ctccttccac gtcaccgagc cgatgctcac gaggctgcag 240

cagcaggagc cagcggctgc cggcggcgcc ttcgagctca tctcggcgct cctgtggcag 300

acggtggcga agatcagggc cgccaaggag gtgaagacgg tgacggtggt gaggaacgac 360

atgtc 365

<210> 1415
<211> 266
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsfl5710010b10b1

<400> 1415

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agacgtgggg atggcggtgg agaccgcccc catagcgctc ggtgatctgg agacggcggt 120

ggagaccgcc cccaaagcgg cggtcggcga cgccaacgtc aaaaggtttt gcgccgaaac 180

gccctacccg gacgtctgcg ccgacatgat cgcgcgctac gacgacgagt gcaaaggcgc 240

cgacgacaag aagctggcgg ggatgg 266

<210> 1416
<211> 377
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl5710010c01b1

<400> 1416

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agagggcgca cagcgaccgc tacatcggcc tcaagcaaag ctggcgtagg ccaaagggta 120

tcgactcccg tgtcaggcgg aagttcaagg gatgcacctt gatgcccaac atcgggtacg 180

gttcagacaa gaagacaagg cactacctgc ccaacaagtt caagaagttc gttgtccaca 240

atgtctctga gctggagctg ctcatgatgc acaacaggac ctactgtgcc gagatcgcac 300

acaacgtgtc cacccagaag cgcaaggcga tcgtggagcg tgctgcgcag ctcgacgtcg 360

tggtcaccaa caagctt 377

<210> 1417
<211> 283
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl5710010d05b1

<400> 1417

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agcctcggtg gctcactgct ccagcgaacg caggcggcgg tcgcggagga gggacgccgg 120

ctcgtgccaa gcaggttcat gcgctcccgc cagctctcca ccaagcatgc tggcaagatc 180

ccgaaggaac tggagccgtc tgaagtggaa gctaagttga agctgacgag ggcgaagctg 240

ggtgcaacgt tagataaatt ggagaaggaa cagccagatg agt 283

<210> 1418
<211> 101
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsf15710010d08b1

<400> 1418

actaaaattc taaaaaaaaa aaaaaaaaaa aaaaaaaaag gaaaaaaaaa aaaaaaaaaa 60

aaaacaaaaa aaaaaaaaaa aaaaaaaaaa aaacaggggg g 101

<210> 1419
<211> 117
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsf15710010d10b1

<400> 1419

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agtgaggctg tgaattgtcg ttgttttcat ctatcaataa aatcttgtac gtactct 117

<210> 1420
<211> 74
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsf15710010d11b1

<400> 1420

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ttcggtggtt ctag 74

<210> 1421
<211> 315
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl5710010d12b1

<400> 1421

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aaatgatgag acagttctca gacgtcgctg cagagcgtgg acttccaatg gaggagttat 120

ggaaatgata aaacaaaatc attcaactgc ctgagggaat tcttttcttt tttctctact 180

gtatttcttg agtttgtttt ctgttgtatc tatatattgg gataaatagg ggtgcaaatg 240

ggggtaccct ttgggggtac tctatatgac ttctgaaaat ttagttcact tggttgaact 300

aaggtgggtc ggact 315

<210> 1422
<211> 149
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl5710010e07b1

<400> 1422

actcaaaatt taaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 60

aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaag aaaaaaaaaa 120

aacaaaaaaa aaaaaaaaaa acgggggggg 149

<210> 1423
<211> 182
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl5710010e10b1

<400> 1423

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aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 120

aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaagggg 180

gg 182

<210> 1424
<211> 175
<212> DNA

<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsfl5710010e12b1

<400> 1424

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tcatgtacca acatggctcg agaaagcatg ctcgtatgtg aatgctatcg gtggctatgt 120

atatgcacgg acgcataata ttatacaata tgtcgactat atacgtttta atggt 175

<210> 1425
<211> 131
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl5710010f09b1

<400> 1425

taacggttcc tgcccgctgg actctgatac ggaggagggt tcaccaccaa gacggcatga 60

gcagcagacg atatgtactc ataagacgag gagaggaccc acaattggtc gatgtgcatg 120

cccttctctc t 131

<210> 1426
<211> 316
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl5710010f11b1

<400> 1426

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ctccaccttc agcggcgacg agaccgcccc cttcttcggc ttcctcggcg ccgccgccgc 120

cctcgtcttc tcctgcatgg gggcggcgta cgggacggcg aagagcgggg tgggggtggc 180

gtcgatgggg gtgatgcggc cggagctggt gatgaagtcc atcgtgcccg tggtcatggc 240

gggggtgctc gggatctacg gcctcatcat cgccgtcatc atctccaccg ggatcaaccc 300

caaggccaag ccctac 316

<210> 1427
<211> 382

<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl5710010f12b1

<400> 1427

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taagatgaat gatctcaaga tgaacgaggc tgccatgaag tacccttttcc gcaacatggc 120

ctattacatg aatccgatgt accccaaggg aaacaacggt aatgtcaatt cgttcaagat 180

gaatgttggg gtcaacaaat atcccaataa tcagaatggg aaggaaacaa acggcaaaca 240

caatggtggt aacaacaaca atggaggcaa cagcaacaac aactctgttg acaagcgctt 300

caaaacattg ccaacaagcg agatgctacc gaggaatgaa gttcttggtg gatacatctt 360

tgtctgcaac aatgatacca tg 382

<210> 1428
<211> 97
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl5710077a10b1

<400> 1428

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tactaaataa agtccatatc aggctgattt gcaaaaa 97

<210> 1429
<211> 279
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl5710077a12b1

<400> 1429

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ctcctcgcca agaccatgga gcccgacgcc gacgtcgtcc tcctcgaccc gaaggactac 180

ttggagatca cctgggctga attgagatca acggttgaac catcttttgc tgagagatca 240

ttaatatatc acagagatta cctcaccact gctactatt 279

<210> 1430
<211> 420
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl5710077b04b1

<400> 1430

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gcgctgctcg aggccagcct gcaggggacc aggtgggccg cgcccgtgtc cgacggccgc 180

aaggccgacc cggcgtccga gtacaccgtg gcgcagtaca actcgccgtt cgagttcagc 240

ggcagggtga acgagatatg gatgctcttc gacaccatgg ccgcgtccga catgtaactg 300

tgcaagctag ccgcttgtta gactaaacca gtgagctcgt atatataaga gtgtcttgtc 360

ttttaagctt ctatgtaagc cgacgaataa tggtagcgta taaacttgcg agcaataaag 420

<210> 1431
<211> 229
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl5710077b05b1

<400> 1431

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attgtatggc tgaatgtatt agggagccat gctgacatga aacctgttct tccaatcgat 120

ttcttgtgct gaatctagtt gaaacatgga aaccgcactt cctagtttgt atttgcttct 180

gaggtgcagt gatggagtaa gcagatctgt atttatatga atgaaaaca 229

<210> 1432
<211> 216
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl5710077c06b1

<400> 1432

tcgtaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 60

aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 120

aaaaaaaaaa aaaaaaaaaa aaaggggggg ggccttttta ggggtccaag tttttcctcc 180

cgggcctggc cctgtatttt ttttttttg gggccc 216

<210> 1433
<211> 425
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl5710077d12b1

<400> 1433

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gcgatgactg cggcggtgcc cttctggcgc gcggcgggga tgacctacat cggctactcc 120

aacgtctgcg cggcgttggt gcggagctgc ctcaaggagc ccttcaagac cgaggtctcc 180

tcccgcgaga aggtccactt ctccctctcc aagtggaccg acgagaagca gcagaagccc 240

actgtgcgca cagatgatga atgaagatca ggtgccatgg tgatgttttg agaagttgtt 300

ggtttatggt caggggctca gggcttaaga acttgaaaat aaattcttgt ggtgacaatg 360

gatctattcc gatactatgt tgttatattt actaattgct ccttttctac ttgatgaacc 420

atgtg 425

<210> 1434
<211> 228
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl5710077e12b1

<400> 1434

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cgaaggtaat gaaattatcc gagcagcttg caaatggagt cctgaactag ccgcagcttg 120

tgaagtatgg aaggcgatca aattcgagtt cgagccggta gatactattg ataagtagat 180

aaaactaaag ataaagaaga gaaggtataa ataaaaaaga aacgaaat 228

<210> 1435
<211> 422

<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl5710077f01b1

<400> 1435

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ccgtcaagct gtgcagctga tcaaccgcac cgtcaatcaa tccatcccac agactaagga 120

agacgaagcc aactcatact cgcaaggcgg cagcccaatt catcaggcga cctatgcgca 180

cgagcgcacg ccatctgccc gaatcgcgtg ggaattacat tacattgcat caattcatcg 240

ccatcatcac gacaacaagc agaaggaagg gtgcacgcat catattgtgg acttgggatc 300

gcgcctctga tgacaggaag cgatgaagct agccaggagg atgtcgccgg ccatttctaa 360

tgctgcactc acacattatg atttatgaat cactgaattt ccgttcagaa gcaagcacta 420

tg 422

<210> 1436
<211> 345
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl5710077f07b1

<400> 1436

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caactgaaaa gaatgaagca cttacaagca agatgcagga gcatgcaaac ttagtccatg 120

aaaaagatca gttggagcaa caattgctgg aagttaggaa ggaactggag gctgcttacc 180

gtaccatagc taaccaggaa gagcaagctt cagtgaggga gataaagtgg gatgcgttta 240

agacgtattc agcggatcaa ctagaagctg cacaaaaaca cgctgcagag ctggaagtac 300

aagtatcagc tcttaatcag cagctgcaag aagctgagat ccatt 345

<210> 1437
<211> 144
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl5710077f10b1

<400> 1437

tttaaaattt atctgatata gaacactcat atcgataaaa tggtttgaac tatttactag 60

aaaaaaaaag ggggcaccct gccctttttt aaccaatgcc gaatcgacga cctatgtata 120

aaaaagagaa atttttggga tttg 144

<210> 1438
<211> 142
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl5710077f11b1

<400> 1438

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tcatgtaaca acatggctcg tg 142

<210> 1439
<211> 64
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl5710077g01b1

<400> 1439

aaaaaaaaaa aaaaaaaaaa agaaaaaaaa aaaaaaaaaa aaaaaaaaaa gaaaaaaaaa 60

aagg 64

<210> 1440
<211> 148
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl5710077h04b1

<400> 1440

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tttgtcggag ggaatttgta atcgttagtg gcatgtatta ctaatgtact gtcaaactat 120

actctccttt attttcatgt tacagccc 148

<210> 1441
<211> 389
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl5710077h06b1

<400> 1441

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agaaccaaac agggcgagct gttcccaaca attccgaagc ttcgtctagt tgtcacactg 120

tgcagaagag atcaggacca ctgaagctca ctcccggcgc gaagcatata ctggtgccaa 180

gtgatagcac gcatggcgac tctatgcctg tgtactcctg tttatctttc ggaagtagga 240

gcggaaatgc tgcagggtct cagaacaaag gagcatgata gactttgtga aatgctgttt 300

aaccttcaga agtaggagcc ttttgaaaaa tgtttacatt tttctatctg taaaactgga 360

ttgactatcc tgtaagaata gttaccata 389

<210> 1442
<211> 344
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl5710077h10b1

<400> 1442

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aagggtggca acaggttcat caagacggct gcttatggcc actttggccg tgaggatgct 120

gacttcacct gggaggttgt gaagcccctc aagtttgaca aggcctctgc ttgagaggtg 180

ggtatgaagg agtctaatca ttcctgctgc tgccgctggt ggttgtatct tggataattg 240

aattccttct ctttagaagg aagcagggtt tcaacatcgc cgtggacacg ctgaattggc 300

gtctagtgat tggtattttg gtatggaata caaaaatatg tgct 344

<210> 1443
<211> 100
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl5710077h12b1

<400> 1443

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aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaacaaggg 100

<210> 1444
<211> 220
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsf15710078b03b1

<400> 1444

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acaaggagga ggagctcacc gcataagctg ccatacctat ctctctttgc aagaggatcg 120

agctgatatc atattatctc ctacagtatc atgcatgcat ggacatcgcc agatcgatac 180

accgattgtt ttgtgctcga atgaattgct cgatgcatgg 220

<210> 1445
<211> 55
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsf15710078d09b1

<400> 1445

tcgatcgccc acgcgtccgc ccacgcgtcc ggccgcgcgt cttcccacgc gtccg 55

<210> 1446
<211> 230
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsf15710078d11b1

<400> 1446

cgctcttcag tttagttgct aaactggtgg tagtctttca gtagtcagta cttatgatta 60

cctataccaa attttcctga cccgtatgct tgcgttgttt tattgagact ttgagaggct 120

accgttgttt atggtgtact caaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaataaaaa 180

aaataaaaaa aaaaaaaaac aaaaaaaaaa aaaaaaaaaa aaaggggggg 230

<210> 1447
<211> 227
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsf15710078e02b1

<400> 1447

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tgtgcgtgtg cgtgtggttt gcttgctcgc tctcccatgc tctgcccatg gtgtccttgt 120

gtgtatgtgt gtgtgcatgt gtccctgtaa ttgcttcatc tatccccact atggatggag 180

tgatgaatat gtaagaatga aagatttacc taattaacta ctcctaa 227

<210> 1448
<211> 348
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsf15710078e08b1

<400> 1448

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catcagatcc aggtggctgt ggagtcttgc cctgtgaact gcatccactg ggttgggagc 120

gaagagctcc cggtgctgga gttcatggca cgtccacagc ccaaggaagg gcacggcgtg 180

ttcggcggcg ggtgggagag gcctaaggac gtgttcgcgg cggccaggaa cttctccagg 240

aaactcgaga agcaggagcg gcaggaaagt tccaggggcg caaacggggg tgaagatatg 300

gaggctgaaa cggcagctca tgccgaagcg agacgccacg cggggcag 348

<210> 1449
<211> 179
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsf15710078g09b1

<400> 1449

tttcgttcgc ccacgcgtcc gttccattgt cttcttgttc ttggtgaact tgatgttctt 60

gtcgagcttg tggaggagct tgccgagctt ggggaggagc ttgtgaaact tgacgatgca 120

cgtgagtttg atatattcgt gcttgaactt catggctaag tgctctttgt tgctcatga 179

<210> 1450
<211> 138
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsf15710078g10b1

<400> 1450

ttggtcgccc acgcgtccga aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 60

aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 120

aaaaaaaaaa aggggcgg 138

<210> 1451
<211> 74
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsf15710078g12b1

<400> 1451

tgtgttcgcc cacgcgtccg cccacgcgtc cggccacgcg tccgcccacg cgtccgccca 60

cgcgtccgag gttt 74

<210> 1452
<211> 128
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsf15710078h11b1

<400> 1452

tctgtcgcgg acgcgtgggc ggacgcgtgg gggatgattg ttttgttttg attttccatg 60

gcttggattt taattatgtt tgatggtgtt tttttaattc gtatatcatg ttgtgttgcc 120

gttaaaaa 128

<210> 1453
<211> 54
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsf15710079a03b1

<400> 1453

tcgtcatgcg tacgcccacg cgtccgtcca cgcggtgcgt tatgcgttcg gcga 54

<210> 1454
<211> 315
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl5710079c09b1

<400> 1454

ttctgtccac gcgtacgggg cagtccatag tcccatccag actgccggga ccactggact 60

gtaccaatgt cagagcagca gattactggt actaccatca ctccgcactc cgcagagatc 120

acggggtcca gcgtgagcgc tcggcgcagc atatcggcag ccatggtcac ggtggttctg 180

accctgctgc tgctggtgct cctcccggtg cgccatgctg tcgccacggc ggacggcgac 240

tcgcacccgg gctacgcgga cacggaggcc gacacctgcg gggcggctcc cggtggctct 300

gcccgttccg gagga 315

<210> 1455
<211> 403
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl5710079d01b1

<400> 1455

tttttacgcg tccgcccacg cgtccgctcg caatgcaagt ggtggcatgc ccacaggttg 60

aatatgtctc aatggaggac ataccagaga gtgttgtcag caaggagaag gagattgaga 120

tgcagaggga ggacctgcag tcgaaacccg aaaacatcag ggagaagatc gtggaagggc 180

ggatatcaaa gaggcttgga gtgatagccc tcctggagca gcccttcatc aaggatgaca 240

gcaagacggt gaaggatctc gttaaggaga cgatcgccgg cctgggggag aacatcaagg 300

tacggaggtt tgtcaggtat accctcggcg agaactgata aatgagacag tgacctccgt 360

tacaatccat ggcatcagga gtcgggcaca ttttgattca tcg 403

<210> 1456
<211> 151

<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsf15710079d04b1

<400> 1456

tgtttggctc agaagttatt gactgcctgt cgtttccttg aacagtcctt gggaactgta 60

tgcatctgga tctgttggac tgcttgtatt tggaagtttt cctcaagttt cagtactgat 120

gaattttact gtcttgatac aatttggcaa g 151

<210> 1457
<211> 227
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsf15710079d06b1

<400> 1457

tgtttacgcg tgggtttttt ttaagcaagt aactgcaggt agatgaagcc ttcgactgtt 60

cttcagaaac agagcaacta ctctctcaaa aagaaaagaa aaaactcaaa agatatactg 120

gcatacagct tgctcgtaca tgcatctatg tttgtttcgc ttacataaca atttctagtg 180

cctcgcttca aacttcgaac ttcaagagag tgaaagaaga gagagac 227

<210> 1458
<211> 246
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsf15710079d08b1

<400> 1458

taaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 60

aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaagggg 120

ggggcctttt tgggggtccc aagtttactt ccccgggctt gcaacgtaat actttttttt 180

tggggccccc taaattaaat ccacgggccg gggttttaaa acggcgggac ggggaaaacc 240

cggggg 246

<210> 1459
<211> 164

<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl5710079d10b1

<400> 1459

tactggttga atttgggtct tgctggggtt gtaatttgat caggagagga aatacctgca 60

aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 120

aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaag aaaa 164

<210> 1460
<211> 383
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl5710079e09b1

<400> 1460

ttcttgtcca cgcgtccgcc cacgcgttcg ggatgagatg gtgttgctgc ttaggctggt 60

gctggcgtga ctctgagtag tacgacctca tcgtgtgcgc ggctaaggag taccactact 120

acttattacg tataaaacta taaattataa cctgcatata tagagagagt ttgttgttcg 180

taccatctat gaacttcatt gcgaaccaag tttctctggg cctggaacag cattcgacat 240

gcttttcctc gtctgaatga tcgactaaat aaagcggcaa gtttgtaacc cctgcttcta 300

cttcaggctt ggagaataac tcagcatggt tttacagttt ggattgtcga caagataaac 360

cgacttgtac tcatgtgcgc atg 383

<210> 1461
<211> 235
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl5710079e11b1

<400> 1461

tttctgcagg ttgcgaggaa tccggcaagg cctaaagtgc aagttgaagt aaccgatata 60

catgtcatgt tagtcacatt tgtcggcggc tctgctttct cagttttact tctcgttcta 120

ctcatatata tgtgaatata tgagcatatg tatgtaagca cctaccaatg taggtcgagg 180

aggatgcata tgagaattat agcaccggct atacatatac atatatatta tatgc 235

<210> 1462
<211> 89
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsf15710079g02b1

<400> 1462

tttgttatat gccttttttt ttcaaaacga actgccatat gccctccttt gtaagcctgt 60

gcacgtacta tttcaataga ctggaatac 89

<210> 1463
<211> 416
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsf15710079g05b1

<400> 1463

tctgttgaag tacctcggtg gctccggcga ccccgcctac cccggcgggc ccatcttcaa 60

cccgctcggg ttcggcacca agagcgagaa ggagatgaag gagctcaagc tcaaggagat 120

caagaacggc cgcctcgcca tgctcgcctt cctcggcatg tccctgcagg ccatcttcac 180

cggcgtcggg cccttccaga acctcctcga ccacctctcc gaccccgtca acaacaacat 240

cctcaccagc ctcaagttcc actaggcgaa atcgatccga tccgatccga gcatcgtcgt 300

cctgtgcatg gtacccgtcg tcgtgggaaa cgtgagcgtg cgagaggtat acatgcgagg 360

gtgggtgtaa aatgtaaatt tgtacgcgtg ctgcgtgcat gcttgtaata tttata 416

<210> 1464
<211> 381
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsf15710079g07b1

<400> 1464

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gcgctccacc tgcttcacaa gcacctgggc gacttcctgt cgacggggtg cgtcacagcc 120

aggcagggcg tgctggccaa tgagctgctc ggcaagctgt atgcgcaggt gcggcctaat 180

gcggtggcgc tggtggacgc gtttgactac acggaccact acctggggtc ggtgctgggg 240

cggtacgacg gggacgtgta cccggcgctg tacgaggagg cgtggaagga cccgctgaac 300

gagacggtgg ttcccgacgg gtaccaggag cacctccggc cgctgctcaa gcagcagctc 360

aggctgtcca gactatgata c 381

<210> 1465
<211> 70
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsf15710079h03b1

<400> 1465

tggacgcgtg ggcggacgcg tgggaaaaag gaggaattat aaaaaaaaac accgagtgca 60

gccagactag 70

<210> 1466
<211> 90
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsf15710081b02b1

<400> 1466

catacttcta tgttctgaga ctgtttgcat tgtatgctga ttgttctgca ctctgttctg 60

cactctgttt gcattgtatg ctgattgttc 90

<210> 1467
<211> 67
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsf15710081b04b1

<400> 1467

ttgtaacacc gcggcaggaa aagaagaaaa taaatagagg aatctttagg gtacgagacg 60

tatcctt 67

<210> 1468
<211> 97

<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl5710081c07b1

<400> 1468

cgcgagaaag catgctcgta tgtgaatgca attggtggct atgtatatgc acatgcacat 60

aatatattta tacaatctgt cgactatgta ttcgggt 97

<210> 1469
<211> 224
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl5710081d07b1

<400> 1469

ccccccccgtc cttccccccc ctttcctttt ttttggggcc ccctatttct tttccccggc 60

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caccccctccc ccttttcccc agttgggttt ttcccaaaag gccccccccc ttcccccctt 180

cccacctttt ccccccccctt tttgccattt ggcccccccc cttt 224

<210> 1470
<211> 96
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl5710081e09b1

<400> 1470

tcacgcgtcc gcccacgcgt ccgcccacgc gtccgcccac gcgtccgccc acgcgtccgc 60

ccacgcgtcc gcccacgcgt ccgcccacgc gtccgc 96

<210> 1471
<211> 413
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl5710081e12b1

<400> 1471

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ggccgggaag ggaggcaagg gcctgctcgc ggccaagacg acggccgcca agaccgccga 180

gaaggacaag gggaagaagg cccctatctc ccgctcgtcc cgcgcggggc tccagttccc 240

tgtgggccgt atccatcgtc agctgaagca aaggactcag gccaatggcc gtgttggtgc 300

tactgcggcg gtctactctg ctgctatcct ggagtacctg acagctgagg tcctggagct 360

ggctggcaac gccagcaagg atctcaaggt gaagcgtatc acccctcgtc acc 413

<210> 1472
<211> 168
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsf15710081f07b1

<400> 1472

tgctcggatg ccgggatggc ccgatgtgaa ttcgccataa gctatagaac ccttttttctt 60

ttaccatttt ctgacgagga attgtactac ccgtgtgatg cataatttga tcgtcctgtg 120

atcaaaagac atcatatata agtttaataa tattttcatg aacagttt 168

<210> 1473
<211> 71
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsf15710081h11b1

<400> 1473

aaatccataa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa atttaaaaaa aaaaaaacaa 60

aaaaaccaaa g 71

<210> 1474
<211> 216
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsf15710091b09b1

<400> 1474

tgtttggcca acccttcaac agacagtaga gtgaagctat ggttccttgc tagaccaggc 60

tggatgtact gtggtggtgc aaatgtagaa atgggatgat ttttgtgcat agagttgatg 120

acgatggttg tatcagttgt aaaatctaac ggtctggaat ttgagtagtc gttcacaaca 180

aaagtaagta ccaacataca tattttcctg acacag 216

<210> 1475
<211> 326
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl5710091c05b1

<400> 1475

aaaatatata aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaataaaaaa aaaaaaaaaa 60

aaaaaaacca aaaaaccaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaag 120

ggccgcccgc ccaaggggac ccaagctaac acccccggcc agccaacgaa aaagctcttc 180

aatggggccc ccaaaatcaa atccccggcc cgcggtttaa caccccgggg acgggaaaac 240

cccgggcgta cccaaactaa aacccctggc aaaaaacccc cctttcccca gcgggcaaaa 300

aaccaaaaag ccccccccca accccc 326

<210> 1476
<211> 460
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl5710091d04b1

<400> 1476

ccatttctca agccaatcaa gctctctgct ccttcccagc tacatttcca gcaagcaagc 60

cgaagcacta gatcctcgat ggctcgcgtg gcactgctcg ccgtgttcac cgtgctcgcc 120

gcactggcag tggcggagat ggcgtctggg gcggtgacct gcagcgacgt gacgtccgcc 180

atcgcgccgt gcatgtccta cgcaacgggg caagcgtcgt caccctcggc ggggtgctgc 240

agcggggtga ggaccctgaa cggcaaggcg tccacctcgg ccgaccggca ggcggcgtgc 300

cgctgcctca agaacctggc ggggtcgttc aatggcatca gcatgggtaa cgccgccaac 360

atccccggca agtgcggcgt cttcgtcttt ttccccatca acaacagcgt caactgcaac 420

aacctttatt aagttatcta cgagcatcat catcacacca 460

<210> 1477
<211> 203
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsf15710091d12b1

<400> 1477

cctactcgtc cgctgatgga gtcgagcaag ggtgcgtgtg catgtgcgtg tggtttactt 60

cgctcgctct ccgcctatgc tctgcccttg gtgtccttgt gtgtatgtgt gtgcatgtgt 120

ccctgtaatt gcttcatcta tctccactat ggatggagtg atgaatatgt aagaatgaat 180

gatttaccta attaactact cct 203

<210> 1478
<211> 320
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsf15710091e02b1

<400> 1478

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gtccatgaag ggctcgatcg gctctcggag attacgccag gcatcggtct gtgtcgagtt 180

ctgcagggcc gatgaatccg ccgccgctcc aaagacggga gcaggggccg gtctcgagta 240

tctacaccca cccaggaatg atccaaactc cagccggaag aaacagatgt acaagtatgc 300

tttgcccttt gattattctc 320

<210> 1479
<211> 152
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsf15710091f03b1

<400> 1479

cccactcgtc cgcccacgcg tccggttctg ttttcaaaaa aaaataaaaa aaaaaaaaaa 60

aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 120

aaaaaaaaaa aaaaaaaaaa aaaaggggggg gg 152

<210> 1480
<211> 246
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl5710091g02b1

<400> 1480

cccactcgtc cgtatattag caagtggtgg tttggatcat tgcgaatggg tggcgttact 60

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gtccatgaag ggctcgatcg gctctcggag attacgccag gcatcggtct gtgtcgagtt 180

ctgcagggcc gatgaatccg ccgccgctcc aaagacggga gcaggggccg gtctcgagta 240

tctaca 246

<210> 1481
<211> 474
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl5710091g10b1

<400> 1481

tcatcacaca agccaatcaa gctctctgct ccttcccagc tacatttcca gcaagcaagc 60

cgaagcacta gatcctcgat ggctcgcgtg gcactgctcg ccgtgttcac cgtgctcgcc 120

gcactggcag tggcggagat ggcgtctggg gcggtgacct gcagcgacgt gacgtccgcc 180

atcgcgccgt gcatgtccta cgcaacgggg caagcgtcgt caccctcggc ggggtgctgc 240

agcggggtga ggaccctgaa cggcaaggcg tccacctcgg ccgaccggca ggcggcgtgc 300

cgctgcctca agaacctggc ggggtcgttc aatggcatca gcatgggtaa cgccgccaac 360

atccccggca agtgcggcgt ctccgtctct ttccccatca acaacagcgt caactgcaac 420

aaccttcatt aagttatcta cgagcatcat catcacacca ggctagctag ccca 474

<210> 1482
<211> 107
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsf15710092a01b1

<400> 1482

cccactcgtc cgcccacgcg tccgcccacg cgtccgccca cgcgtccgaa aaaaaaaaaa 60

aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaggg ggggccg 107

<210> 1483
<211> 376
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsf15710092a10b1

<400> 1483

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gcattaggaa ctgagtctat tgcaaagaag ttggccgagc ttagcaaaaa gggtgtgaca 120

actatcattg gaggcggaga ctccgttgcg gctgttgaga aggtgggagt ggctgatgtt 180

atgagccaca tctcaactgg tggtggcgcc agcttggagt tgttggaagg aaaggagctt 240

cctggagtcg ttgcacttga tgaaggtgtc atgacgaggt cggtgaccgt atgaggctaa 300

gcttcatttg ttgcatctta attcctttca tgtaccgttc caaacctgcc atgttgtcct 360

ccctttttgc tcgtct 376

<210> 1484
<211> 422
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsf15710092b01b1

<400> 1484

ccttcttgtc cgcaaaaggc tttcagttga aactactcct aatcaggacc ctcttgtgac 60

caaagggtca aacctgcatc ctttgttggg aattgatgtc tgggagcatg cgtactacct 120

gcagtacaag aacgtgaggc cggactacct gaccaacatc tggaaggtgg tgaactggaa 180

atatgccgga gaagagtatg agaaagtgct tgcatgattt gtccgagtag acagacagta 240

cttcgctcgc tcttgagttc cccgctgttg gatctttgta tatgcagtaa taaaagtggg 300

cactattcca ctgtcgggac cttctgtaca tcgcatagag gcggggtaat gtccaacgca 360

tagaacagtg cctgtccatt ttggtacttt ttactgtgcc tgcgtgacta ataaactcat 420

tc 422

<210> 1485
<211> 429
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsf15710092b02b1

<400> 1485

ccctcgtgtc cgcaaaaggc tttcagttga aactactcct aatcaggacc ctcttgtgac 60

caaagggtca aacctgcatc ctttgttggg aattgatgtc tgggagcatg cgtactacct 120

gcagtacaag aacgtgaggc cggactacct gaccaacatc tggaaggtgg tgaactggaa 180

atatgccgga gaagagtatg agaaagtgct tgcatgattt gtccgagtag acagacagta 240

cttcgctcgc tcttgagttc cccgctgttg gatctttgta tatgcagtaa taaaagtggg 300

cactattcca ctgtcgggac cttctgtaca tcgcatagag gcggggtaat gtccaacgca 360

tagaacagtg cctgtccatt ttggtacttt ttactgtgcc tgcgtgacta ataaactcat 420

tcgctagtg 429

<210> 1486
<211> 394
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsf15710092b07b1

<400> 1486

ttctcgcgtc cgcccacgcg tccgggatgc agatgctaac aaatttctgt aaagctcttc 60

tatatatgga tttgattggc aggagcagaa aaaaggaaag aaatcttgaa tagggttttg 120

agatttttt ttttaactta gagaagccta gtattaaacc agtggcatct tccttctgtt 180

aacttgcttt tgtttcagag ttagaaaaat gggttttcct gttttgttag tttcgatggc 240

aaaaaaatct gaagttttgg tccgtgtaaa tttctgtatc tattcaccgc agtgacattt 300

aatcgctcat gtagagtttt gctaattgta gtggcagcgc tgttttctca aaaaaaaaaa 360

aaaacaaaat aataacctta aaaacaaata attg 394

<210> 1487
<211> 480
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl5710092b08b1

<400> 1487

tgcctacgcg tccggtgaag ctggtgccgt tcaacccggc gttcgaggac gcgtcggtgc 60

tgtggacgga gagcaaggac gtgggcaagg gtttccgctg catccgcatg gtcaacaaca 120

cccgcctcaa cttcgacgcc ctcaacggcg acaaggacca cggcggcgtg cacgacggca 180

ccaccgtcgt gctctgggag tggtgcaagg gggacaacca gtgctggaag atctggccgt 240

gggccgaggc gcacgccgcc gtcgagtccg gcgccaccat gggcaacaac gcccacgcca 300

tgggcggcgg gccccccgtg cacgccgtgc gcatcttctg caaggccggc gaggactaca 360

gcctcaccgc ccgcaacggc accgtctgcc tcgcccccac caaccccagg gacgactacc 420

agcactggat caaggacatg aggcacagca acaagatcag ggacgaggaa gggtaccctg 480

<210> 1488
<211> 366
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl5710092c04b1

<400> 1488

ttgcgcccgg ttgagtagaa cgcggcgaag ttcaccgggg aacccgccga ccttaaggag 60

cccaccggca acatgttcca gcaggccggc gggcaggtga tgggtgccgc tacgggcgcc 120

agggacgccg tcatgaacac gctcgggatg ggaggagaca aagccgacgt cggcagcgcc 180

aaatgaagac cgcaaagcgc acaggagggc tagcccactt ttcgtttcgt tattccctcc 240

gtattccttt atttgcgttc caagaaactg atctttacgc atgcgtgggt gtaactttgt 300

ccggtgtatg caaagatgct ttgaatctac agacttgcta attctcatct gatgatattt 360

atcttc 366

<210> 1489
<211> 51

<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsf15710092d12b1

<400> 1489

aaatataaac ccaaaaaaaa aaaaaaaaaa aaaagggcaa aataaaaaaa a 51

<210> 1490
<211> 132
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsf15710092e03b1

<400> 1490

ccctcttgtc cgaaaaaaaa aaaaaaaaaa aaaaaaaaat atttttaaaa aaaaaaatct 60

aatttcttac aaaaaaacaa aaaaaaaaaa aaaaaacggg ggcggcccct ctgggggccc 120

cgggcctccc cc 132

<210> 1491
<211> 279
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsf15710092e04b1

<400> 1491

cccatcgtcc ggcaactata ccaatctgca acccagataa atatagatgc tattgttgtg 60

ttcaaaattg gcaatgctac aaaacaatgg atgagtgcag agccaagtgt gcatatttac 120

ctcccctcctc ttcctctgta cttccatgaa accgggttct tatcatgagc tagaagaaaa 180

atgaataaga tccagacaat aaacaatttg ctatgaaaaa aaaaaaaaaa aaaaaaaaaa 240

aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaataaaa 279

<210> 1492
<211> 200
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsf15710092e10b1

<400> 1492

tagataccac atggagcttc tgctactaca caatcagccg cattcttcgg agccaggtgc 60

ttgtaattcc ttgtacttga aagcacgggc tctttacgag gttctttact caaaagtgga 120

tgtgtgaatt gccacgactt atgtgcacca aaattttggg atgcgtagct tctttgaagt 180

ttgaagcagg cgttctttcc 200

<210> 1493
<211> 90
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsf15710092f12b1

<400> 1493

tgctagaccg gccgtcttca gttggatgtt acaattaatg tattagcaaa taagctttct 60

tccttttcca tctaaaaaaa ggctttctcg 90

<210> 1494
<211> 401
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsf15710103a03b1

<400> 1494

ctttgatgca ctccatggcg acaaggacca tggcggtgtg cgcgatggaa ccaccctcat 60

tctgtgggag tggactgagg gcgacaacca gcgctggaag atcgttgcct ggtgaatgat 120

gcacatgcta cagtttgttg gttcaaacag cgcgcgatct taataataag caagtactgt 180

atgtttctgg aataaaaagg atggcgccaa tgtgagcggt atgtctgttt tgtttgggga 240

gttatgtata tggatgaact tgtaatgatg gatttatttg gcctagatta tgtgtgatgg 300

atgcatgaac aaaccagtgc ttattattat gcatgcatat acatgccgtg tgacatgttt 360

gtgaactaca ctgtataata gaattggttt atcccatcnn a 401

<210> 1495
<211> 337
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl5710103a07b1

<400> 1495

cccacgcgtc cgcaagcaga taccgagacc cagtccgcct gctgcgccgc cgccacctcc 60

gcgatgaggg ccaagtggaa gaagaagagg atgaggaggc tcaagaggaa gcgccgaaag 120

atgaggcagc gatccaagta ggcgaacaat gaggagaaag cttaaccttg tgtcactaca 180

ccagtctgtt gggatgacag ggtcttttgg ttcctgatat gtctgggttg ttctgatatt 240

ttggggatgc ccacccttgt aacatgagga taattatatg ctttccttga aggctggata 300

ttcggcttaa gaagtattat cgtctatttt tgattaa 337

<210> 1496
<211> 143
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl5710103b03b1

<400> 1496

cggacgcgtg ggtttccgac cagagcatat ttctcgttcc atatgatctg tgtttgtacg 60

aacataggtt gtggagcatg catatgtaaa ttctagcgaa aaatctatac tgaagtcgag 120

aggggctcgg ggctccgctg ctt 143

<210> 1497
<211> 143
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl5710103b04b1

<400> 1497

tctgtcgcgt gggtttccga ccagagcata tttctcgttc catatgatct gtgtttgtac 60

gaacataggt tgtggagcat gcatatgtaa attctagcga aaaatctata ctgaagtcga 120

gaggggctcg gggctccgct gct 143

<210> 1498
<211> 197
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsf15710103b05b1

<400> 1498

cggacgcgtg ggcagatgtt taagaaattc ttttatctcg attcgttttg aaaaaaaaaa 60

aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaat 120

aaaaataaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aacgaaaaaa aaaaaaaagg 180

gggggggccct tttaggg 197

<210> 1499
<211> 109
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsf15710103c01b1

<400> 1499

gtctggtcct atgtatcgtc atgctcgaat gaaattgcaa cggaaaagtt cagtcatcga 60

tctgatgctc gaatgaattt aattttgctt gtaaatcgct ccgtgattc 109

<210> 1500
<211> 371
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsf15710103d11b1

<400> 1500

cgctctatcg tgtacgagtg cctcatcaac ccgctgatgc gcggcctgcc gaccaaccag 60

acggtggtgg acgaaagcct ggagaagctg aagaaggtgc tggaggtcta cgaggcgcgc 120

ctgtcccagc acgagtacct cgccggggac ttcgtcagct tcgccgacct caaccacttc 180

ccctacacct tctacttcat ggccacgcct cacgcggcgc tcttcgactc gtacccgcac 240

gtcaaggctt ggtgggagag gctcatggcg aggccggccg tcaagaagct cgccgcacaa 300

atggttccca agaagccgtg atttgctagg cgggatttcg catcgtggga tccgattccg 360

atcactgatc t 371

<210> 1501
<211> 292
<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsfl5710103e07b1

<400> 1501

tctatttttc cggttgaagc gtgccaacga aatcataggc accactactg aagaaatggt 60

gatgcgagca caacagagcc ctgcttctta actgtcacct caaatgaaat gtttttctct 120

gtctaaaagc acaagccaga actgagaagg catctgctca tcctcaagga acacgttgct 180

ttcaatgtac catctgtacg caatatctta gattctattt tccgacatcg gcgagttcta 240

ttgagtgtaa ctaagggtgc cttgtttagg tccaaaatct ggacatgtta ct 292

<210> 1502
<211> 193
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl5710103f01b1

<400> 1502

tctgtggttc cgtcggggca ctgtctgtac aaaatcttca cggtttgtag aaccgctccg 60

catgtttttt cgcttgaact gagtccattt gatctgttgg gtctgtacaa tccctgtacc 120

tgagtccatt cggagaacta cgttattata aggataatga atcacacaaa ggatttttct 180

ttgtgctgct ttc 193

<210> 1503
<211> 51
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl5710103f05b1

<400> 1503

taaaaaaaaa aaaaaaaaaa aaaaaaaaaa aatagggcag gaccgcatct a 51

<210> 1504
<211> 288
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl5710103g11b1

<400> 1504

gtgttactac tgcttcctca tccaatccgg cttgtgcatt cccgagtgcg caaacctctg 60

cagggtcaac tgcgagtgat cgaccatgca ggaacgcatc gacatgcatg gattcgaggg 120

tgtcgatgag cgtgcctgcg ttgccattgt tatattagct gctctatgta caataagtcg 180

atgccggtca ggctgcatgc atgtattgcg tgcgagtgcc tcgacttagc atttgatacc 240

gtgtttaatt tgctactatt cccttcactc aacatattac atattacc 288

<210> 1505
<211> 127
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl5710104b05b1

<400> 1505

tttaactagc cgcagcttgt gaagtatgga aggcgatcaa attcgagttc gagccggtag 60

atactattga taagtagata aaactaaaga taaagaagag aaggtataaa taaaaaagaa 120

acgaaat 127

<210> 1506
<211> 84
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl5710104c09b1

<400> 1506

cttgtaaaaa aaaaaaaaaa aaaaaaaaaa aggggaaaat aaaaaaaaaa atcaagaaga 60

accaaaaaaa gggccgcggg cctg 84

<210> 1507
<211> 62
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl5710104c12b1

<400> 1507

cctggtacgc acgctatatg tatatgttgt caactataag aaaattggac gctcttgatg 60

at 62

<210> 1508
<211> 343
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsf15710104d01b1

<400> 1508

ttgttgattg gtcctgatgg gaagacactg agcagcaata ttgcagacat aatcaatgag 60

cactagtgta ggaagatcac taagctcaaa gtaactgaca agcttctgac acatcttgtc 120

gccatgggga atggcgagcc aaggcatgct tgaaaaactg ttattgaatg attcctcatc 180

actgtccaag gatacagcta caacttcaaa cttctccccc actagtgctg attggtcctg 240

atgggaagac actgagcagc aatattgcag acataatcaa tgagcatggt ttggatgcat 300

gggaggggtt ccccttcaat gcagagaagc tggaaattct agc 343

<210> 1509
<211> 178
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsf15710104d02b1

<400> 1509

tccacgcgtc cgtctgatgt ggtggtactg aataatgaac tgtaaagtga aaaacaccag 60

ttgaaactgt aaaaaaaaaa aaaaaaaatt aaaaaaaaaa aaaaaaaaaa aataaaaaaa 120

aaataaaaat aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aataaaaa 178

<210> 1510
<211> 153
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsf15710104d09b1

<400> 1510

gctgagcgca tataatttgt taaaaaaaaa aaagaaaaaa aaaaaaaaaa aaaaaaaaaa 60

aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaacaaaaaa gaaaaaaaaa aaaaaaaaaa 120

aacaaaaaaa aaaaaaaagg gggggccct tta 153

<210> 1511
<211> 416
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl5710104e02b1

<400> 1511

ttttacgcgt gggcggacgc gtgggcggct acagaaattt cccccaaatc ttcctccct 60

cctcctcgtc gtcttcttct tcttcttgcc cggggacctt ccagaagctt ctcgaaccga 120

ccgacaggcc gtgccgcggg cgggtgggcg agatccggtt gcggcggcca tggtgaagga 180

gaccgcctac tacgaaaccc tgggggtcag cgtcgacgcc tccccctccg acatcaagaa 240

ggcctactac gtccaggcca ggctggtgca cccggacaag aatcccggca accccgacgc 300

ggcgcgcaaa ttccaggatc tcggagaggc ctaccaagtc ctaagcgatc cagcgaagaa 360

ggaggcttat gataagcatg gaaaggaggg tctttcccag gataacatgg ttgatc 416

<210> 1512
<211> 410
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl5710104e06b1

<400> 1512

tttcacgcgt ccgcccacgc gtccgcccac gcgtccggtg gagctcatcc tcatcggctg 60

ggccgagggc cgccggtggg cagacatcat caagcccggc tgcgtcaaca ccgaccccat 120

ctttcccaac aacaagctca ccggcaccga cgtcgggtac cccggtggtc tgtggtttga 180

cccgctcggc tacggcaccg gctcgcccga gaagctcaag gagctccgca ccaaggagat 240

caagaatggc cgcctcgcca tgctcgccgt catgggcgcg tggtttcagg ccgagtacac 300

cggcaccggc cccatcgaca atctcttcgc tcacctcgcc gaccccggcc acgccaccat 360

cttccgggcc ttcgccccca agtaaggaac acgttgggag ttagcaacta 410

<210> 1513
<211> 105
<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsfl5710104e08b1

<400> 1513

cctcgttcca gccaataatg taatggtcta tgggcaaata aatcatggtt taaatcaggc 60

tctttattac tcttttgatt gatttaaggt attcacatat ataat 105

<210> 1514
<211> 413
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl5710104e12b1

<400> 1514

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gggcgcggag atgcacgcca tcctgcacga ggaccccacg ctggcgccct cgctgctccg 120

gatgcactac cacgactgct tcgtccaggg ctgcgacggc tccatcctgc tcaggtcccg 180

tcggggcacg gcggagcggg acgccacccc taaccggagc atgcgcggct acgacgccat 240

cgagcggatc aaggccaggc tcgagacgct ctgcccgctc accgtctcct gcgccgacat 300

catcgccata gccgccaggg acgccgtcta cctgagcaag gggccgtggt acggcgtgga 360

gaccgggcgg cgggacggca acgtgacggt ggccgagtac gctgagaacg acc 413

<210> 1515
<211> 89
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl5710104f02b1

<400> 1515

tttagaccgg ccgtcttcag ttggatgtta caattaatgt attagcaaat aagctttctt 60

ccttttccat ctaaaaaaag gctttctcg 89

<210> 1516
<211> 107
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl5710104f04b1

<400> 1516

ctgacgcgtg ggcggacgcg tgggcggacg cgtgggcgga cgcgtgggcg gacgcgtggg 60

cggacgcgtg ggatcaaagt taagttataa tggatgtccg gttgtct 107

<210> 1517
<211> 124
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl5710104f05b1

<400> 1517

tataatatgt gtatgtccat gttcatgtac caacatggct cgagaaagca tgctcgtatg 60

agaatgctat cggtggctat gtatatgaac ggacgcataa tattatacaa tatgtcgact 120

tttt 124

<210> 1518
<211> 62
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl5710104f08b1

<400> 1518

tctgtaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaat 60

at 62

<210> 1519
<211> 388
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl5710104f10b1

<400> 1519

tttttccgcg acttccacgc cgcgcacccc gccgacgcct tctccacctc cttcggcggc 60

ggcgccgccc tcgcctgcgt cgccgcgcag ccccgctccc tcgccgccgg cgggtaccag 120

cggtaattaa cgatcggcac ggcctctcat gaccctcccg aatcgccccc ggcaaccgtg 180

tccggacgac taaggatttc tgtgcgcgca tgcatgcagg atgttctgcg ggctggacga 240

catctactgc gtgttcatgg gcacgctgga caacctgagc agtctgatgc ggcagtacgg 300

cctcaccggc cgctccacca acgaggcgct gctggtgatc gaggcctacc gcacgctgcg 360

cgaccggggc ccctacccgg cggaccag 388

<210> 1520
<211> 111
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl5710104g03b1

<400> 1520

tttcacgcgt ccgaaaactt cagtagcggc ttgtacgtat ggaaatgtaa ttcttgatgt 60

gaatgatggc agagaatcca aaattggctc taatacgtca attatttgtt g 111

<210> 1521
<211> 438
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl5710104g05b1

<400> 1521

ttaagacgaa gctgacaatg gcagatgtga tctcccggat gtcatgggat ctgttgcggc 60

tggtgatata gaagggaata cttctgagca ttcttcagaa agaaacatta ttgaagatga 120

ggaggccaag ggtgatattt ctctcatggt atgtgatttg aacaatgatg ttgctgagca 180

gtcttcaccc gtggtatgtg atttgaacaa tgatgttgct gagcattctc ccgcaacaat 240

tgctgtcgaa tctgaggacg cgaaacatga agatacttct gtggatctca aggtagaaga 300

tgatatcgaa gttggcatgg aggaaacttg cgccgctgcg gataagatca gtgatggtat 360

gcggcatatt tcacccgagt ccaaagaggg aaacattgac agctgtgcta tcagtgacag 420

cgctgttccc catgagcc 438

<210> 1522
<211> 159
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl5710104g08b1

<400> 1522

tgctcacgcg tccgcccacg cgtccgggat gttagattag attagctttc ttgactcgtt 60

gactttcttg acttgttgtt gttttcccct gtgccatgtg tataccgttg tgctgactca 120

tagattgtgt gtatcaagga taaaatacct tttacagtg 159

<210> 1523
<211> 398
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl5710104h03b1

<400> 1523

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ggaacgagcc gcaagaccgc gcgcctgccg acgccgccgt gccgcgctcc gtgaagtcgg 180

tcgggcccat cgaggactac tggtttgtcc ccgccggcgt cgacatggcg ggctactcct 240

tccacgtcac cgagccgatg ctcacgaggc tgcagcagca ggagccagcg gctgccggcg 300

gcgccttcga gctcatctcg gcgctcctgt ggcagacggt ggcgaagatc agggccgcca 360

aggaggtgaa gacggtgacg gtggtgagga acgacatg 398

<210> 1524
<211> 111
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl5710105a02b1

<400> 1524

aatttatata caccaaaaaa aaaaaaaaaa aaaaaaggga aaaaataaaa aaaagaggca 60

aaaaaaaaaa agggggggc cgatagggg gcccccagct ggcgcccgcg c 111

<210> 1525
<211> 208
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsf15710105a04b1

<400> 1525

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tttttttca catgttcctt tgggagattg tggttgtgca tttgatgcat ttttgttgat 120

cgtacaatcc agtttgatgt gtttttgttg taaacttgaa gttggccatt ttgtcattgt 180

gtaagattat tttccaagat tcattcaa 208

<210> 1526
<211> 284
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsf15710105a06b1

<400> 1526

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gtgccggcgg aggccgaggt cgaggcgcct gcccccgtcg aggttgaggc gaccaaggag 120

gaggcgccgg gcgccgctga gacggaggag gccaaggaga ccgagccagt agctgcggcc 180

gagccggagg ccgaggcgcc caaagagcca gaggcgccag ccgtggtcga gacagagacc 240

aaggaggccg tggcagaggc cgagccggcg gtggtcgagg aggt 284

<210> 1527
<211> 71
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsf15710105b04b1

<400> 1527

ccctcgtgtc cgaaaaaaaa aaaaaaaaaa aaaaaaggga aaaaaaaaaa aaaaaaagcc 60

ggattactgc c 71

<210> 1528
<211> 59
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsf15710105b08b1

<400> 1528

ataaataaaa ataaaaaaaa aaaaaaaaaa aaaaaaaatt taaaaaaaaa aaataatgg 59

<210> 1529
<211> 141
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsf15710105b11b1

<400> 1529

atacgcgtcc ggtgtatgtc catgttcatg taccaacatg tttcgagaaa gcatgcttgt 60

atgtgaatgc tatcggtggc tatgtatatg cacggacgca taatattata caatatgtcg 120

actatatacg ttttaatggt t 141

<210> 1530
<211> 262
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsf15710105c02b1

<400> 1530

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tgctctcagg gaagaggcag aggcagccct gcaggaaggg ggctcgtcgc aggcggcgtt 120

tgcccagttt ctgttggatg tggataatct tgaaaggcag ctcagcgaat gatgcactag 180

tatgtacatt tatgttgcca gcatgttgct agtccaagcc gcccctgttt acattttggt 240

tgtgtggtca ataacttaag tc 262

<210> 1531
<211> 60
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsf15710105c09b1

<400> 1531

tcctcgcgtc cgcccacgcg tccgcccacg cgtccgccca cgcgtccgcc cacgcgtccg 60

<210> 1532

<211> 477
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsfl5710105d05b1

<400> 1532

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catgcaagcc gaagcactag atcctcgatg gctcgcatgg cactgctcgc cgtgttcgcc 120

gtgctcgcgg cactggctgt ggcggagatg gcgtctgggg cggtgacctg cggcgacgtg 180

acgtccgcca tcgcgccgtg catgtcctac gcgacgggga aggcgtcggc accgacggcg 240

gggtgctgca gcggggtgag gaccctgaac ggcaaggcgt ccacctcggc cgaccggcag 300

gcggcgtgcc gctgcctcaa gaacctggcg gggtcgttca agggcatcag catgggcaac 360

gccgccacca tccccggcaa gtgcggngtc tccgtttctt tcccgatcaa caccaacgtc 420

aactgcaata acattcacta agttatcggt cagcatcatc acaccaggct ctacatg 477

<210> 1533
<211> 145
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl5710105d09b1

<400> 1533

tttgtactcc ttttttttctc tcctgtgttt attatgtgta ctatgctagt aattttgtgg 60

tggagccgct gctactgtgt ttcctccccc tgacttgagc ttgcaagcca ataatgataa 120

tgtttgctac tgaacatata tcagc 145

<210> 1534
<211> 392
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl5710105d10b1

<400> 1534

gtgcccccaa atcggcgacc cctctctctc cgatctccaa tccccacctc gcacacgcgc 60

accaaccggg cacgatgcgg gcgatctcgt cggcggcggg agggatgctg cgggcgcggc 120

tgagcgcggc ggcgcgcctc cgcggcggac acggcgacgg cgggggccgg tggacgacgc 180

ccggccacga ggtgcggccc aaggggtacc cgatgaaccg cacgccgccg ccgccgggcg 240

agtcgcgcaa gtgggaggac tgggagctcc cctgctacgt cacctccttc ctcaccgtcg 300

tcatcctcgg cgtcgggctc aacgccaagc ccgacctcac cctcgagacc tgggcgcacc 360

acaaggcgct tgagcgcctc cagcagcagg ag 392

<210> 1535
<211> 432
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsf15710105e04b1

<400> 1535

ctttcgtgtc cgggtgcagc cagctgctga gaaggagatg actgtggtcc tctccacaac 60

caagtcaaag aagcagaaca agcctgctgc gttcacccac aagactgtca tgcgcaagga 120

gttccgcaag atggccaagg ctgtcaagaa ccaggtcagt gacaactact acaggcctga 180

cttgaccaag cctgctcttg caagactgag cgcagtttac cgcagcctcc aggttgccaa 240

gtccggtgtc aagaagaaga acaggcagta agcactgagg ggccaatgag cttgttttgt 300

ggatccgttg gtttatgttt ccagcttttt agatttgttc taagagtatg gaggttgaat 360

atgatgaatg gtgtgctctg catactggcc caagttttct cagtaggttc tatatctgta 420

cccatgacta tg 432

<210> 1536
<211> 423
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsf15710105f01b1

<400> 1536

ccctcgtttt cgcccacgcg tccgcccacg cgtccgccca cgcgttcgcc cacgcgtccg 60

agatcatgtc cggcaggttc acggcgtcgg ccggcggcct gctggagggc tgggcggcga 120

gcttcctccg tggggagagg cagctgaggg acgtgatgga ccctgacctg agctggaacg 180

cgcccctcca tgccgagacc gtcaacaggc tggacggtgt gattcggtcc tgcaccgacc 240

gggaggcgag gcggcgaccc gccatggcag aagtggcgag gcggctgagg gagatcacgg 300

ccatgccgac ggacgccgcc acccccaagg tgtcgcccct gtggtgggcg gagctggaga 360

tcatctccac cgaggccacc tgaagatggc actggagctg caccctgatg gagcatagca 420

tac 423

<210> 1537
<211> 448
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl5710105f10b1

<400> 1537

tgtttcagag cagagcggat aaactcgagg gcagtagatc atcaccaacc atgtcgtgct 60

gcggaggcaa ctgcgggtgc ggatccggct gcaagtgcgg caacggctgc ggagggtgca 120

agatgtaccc tgagatggac gagggggtga ccaccacctc ccagaccctc atcatgggcg 180

tcgccccctc caagggcacc ccgtcgttcg aggccgccgc cgagaccgga gccgacaacg 240

gcgggtgcaa gtgcggctcc aactgcacct gcaacccgtg cacctgcaag tgatccatca 300

aatcaggaca aggagatggc atggcatgga tggacctaat gaaggagcac tagtagtagt 360

tatgcatggt gtgtgcgttt gtgttctctt tttaattgcc gccgagaata agacgagatc 420

tatcgtatcg tatcgtatcg tatcgagc 448

<210> 1538
<211> 218
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsfl5710105f11b1

<400> 1538

tcttcatant cgtccgctca aatgttgagt tgtccatcac tggagtgatt ttgtgcaata 60

aagcaaatta accagtcaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 120

aaaaaaaaaa aaaaaaggag aaaaaaaaaa agaaaaaaaa aaaaaaaaaa aaaaaaaaaa 180

aaaaaaaaaa aagggggggc gttttaaaaa aataaaat 218

<210> 1539
<211> 72
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl5710105g04b1

<400> 1539

cccatgcgtc cgcccacgcg tccgcccacg cgtccgccca cgcgtccgcc cacgcgtccg 60

cccacgcgtc cg 72

<210> 1540
<211> 57
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl5710105g05b1

<400> 1540

ttgattttgt atctacacat tacatagtac atccctgcag attctttatt ccttgtc 57

<210> 1541
<211> 112
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl5710105g06b1

<400> 1541

ataaataata aaaacaaaaa aaaaaaaaaa aaaaaaaaaa ataaataaaa aaaaaaaaaa 60

aaataaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaggggcgg cc 112

<210> 1542
<211> 483
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl5710105g10b1

<400> 1542

ttcttcctca gtcctcacag catcctctca gtccttagct tccttccctc gccgccaccc 60

accaaggaaa ggaggatgtc ttgctgcggc ggcaactgcg ggtgcggcgc cggctgcaag 120

tgcggcaacg gctgcggcgg gtgcaagatg ttccccgacg tggaggccac cgccggcgcc 180

gccgccatgg tcatgcccac cgcctcccac aaggggagct ccggcgggtt cgagacggcc 240

ggggagaccg gcggctgcga ctgcaccacc tgcaagtgcg gcaccgcgtg cggctgctcc 300

tgctgcagct gcaactgagc cggcgcccag gaggccggcc ggcagaggcg agcacgagga 360

tgaggaggac aagcaagcaa gcaccatcac caccagttca ccaccaccca gcgtatcatc 420

accagccgtc gcatgcgctc gcgcgcgcgc gcgctgaata aaataaaacc accgttcgtg 480

ttc 483

<210> 1543
<211> 397
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl5710105g11b1

<400> 1543

cgcttagact ccgacgatgc actctgtggt tgttacagca ggcttgatca ttatgtcgac 60

tacttcacaa ccgaacatcc gcatgacaat aggccacgct ctttctcggt gtacactcct 120

agcagaactg cggtcgtgta tgcccttaca gagtaagaac cagcagcggc ttgttacaag 180

gcaaagagag aactcgagag agctcgtgga ttgtgagcga agcgacgggc aacggcgcga 240

ggctgctcta agcgccatga ccgggagggg atcgtgcctc ttcccctgat gccaggagga 300

tcagatggat aaggtagctc gttggtgagc gctcgaaaga aaatggacgg gcctgggtgt 360

ttgtcgtgct gcacttaacc ctcctcctat cttgcac 397

<210> 1544
<211> 477
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl5710105h11b1

<400> 1544

cctacgcgtc cgcttagact ccgacgatgc actctttggt ggattcagca ggcttgatca 60

tgatgtcgac tacttcacaa ccgaacatcc gcatgacaat aggccacgct ctttctcggt 120

gtacactcct agcagaactg cggtcgtgta tgcccttaca gagtaagaac cagcagcggc 180

ttgttacaag gcaaagagag aactcgagag agctcgtgga ttgtgagcga agcgacgggc 240

aacggcgcga ggctgctcta agcgccatga ccgggagggg atcgtgcctc ttcccctgat 300

gccaggagga tcagatggat aaggtagctt gttggtgagc gctcgaaaga aaatggacgg 360

gcctgggtgt ttgtcgtgct gcacttaacc ctcctcctat cttgcacatt cccggttgtt 420

tttgtacata taactaataa ttgcccgtgc gcttcaacat gaacatataa atattct 477

<210> 1545
<211> 147
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl5710106a03b1

<400> 1545

ccctcgcgtc cgcccacgcg tccgaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 60

aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 120

aaaaaaaaaa aaggggggcg ccgtttt 147

<210> 1546
<211> 399
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl5710106b02b1

<400> 1546

ccctctcttc cgcccacgcg tccgctcacc ttcctccaaa gctcaggcat cgacaaatat 60

gggccagagt catttctggt gaacttcacg gcattggttg ttgtgctatt cggtgcctca 120

gttgttgtag ctgctgttgc cccagctcgc cttgaagagc cacagggtta cgctccaatc 180

ccagaacact agtatttgtg aagtgtactg catgcacaga aattcacaaa gtttgctctc 240

accattgtgc ttcgatacca ggatctctcc gatttgaaaa taaatgatct gataagaaaa 300

tgttgtgcat cttctgtgta tatgtaaata catacaagta catattgtcc ttccatgtat 360

catgtataat tgaaacatct atgtaagcag ctattttac 399

<210> 1547
<211> 57
<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsfl5710106b03b1

<400> 1547

tgtatactta ccggatgttg cattatttag attcctaatg ggtactattg gttttgg 57

<210> 1548
<211> 69
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl5710106c12b1

<400> 1548

ccataaatta actgggcaat tctcttcttc ttaattaatc gatgaggcaa aacttttgcc 60

tccgtttcg 69

<210> 1549
<211> 423
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl5710106d03b1

<400> 1549

gctgtgtgca aggacagggc cacccctgag gaagtagcca gctacaccct caagctcctc 60

cagagaagga tccccccttc cgtccccggc atcatgttct tgtctggcgg ccagtcggag 120

gttgaggcaa cgctgaacct caacgcgatg aaccaggcgc cgaacccgtg gcacgtgtcc 180

ttctcctacg cgcgggcgct gcagaacacc tgcctcaaga cgtggggcgg gcggccggag 240

aacgtggccg cggcgcagga ggcgctgctg ctgcgcgcca aggccaactc cctggcgcag 300

ctcggcaagt acaccagcga cggcgaggcc gcggaagcca gcgagaacat gttcgtcaag 360

aactacagct actgatccgt cggcgagctg tctatctaat aatctaccgc atcactgtca 420

gcc 423

<210> 1550
<211> 109
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl5710106d08b1

<400> 1550

tttcgttatt agctataata gcggaagaat ttctcgcatt ttgttggatg atatgaatct 60

agctgctact ttcagcgttg ttgagttgta attgatgctg ttttgcgtg 109

<210> 1551
<211> 449
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl5710106e03b1

<400> 1551

gtgtccatgg aaaggtgtcc aaggacaagg aggagcaggc agagttcaag aagatgtttg 60

atcttattga acagtacaac ctgattggtc acatccgctg gatctctgct cagatgaacc 120

gtgtccgcaa tggtgagctc taccgctaca tctgcgacat gaagggagcc tttgtgcagc 180

ctgctttcta tgaggctttc ggtcttaccg tgatagaggc catgacatgt ggccttccaa 240

cattcgccac tgcatatggt ggtccagctg agatcattgt caacggcgtg tccggctacc 300

acatcgatcc ttaccagaat gacaaggcct ccgcactgct cgtggacttc tttgggaagt 360

gcaaggaaga cccgagccac tggaacaaga tctcgcaggg aggactccag cgcatcgagg 420

agaagtacac ctggaagctg tactctgag 449

<210> 1552
<211> 329
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl5710106e04b1

<400> 1552

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gaagagccgc atcatcccgc gccacctgct gctcgccgtc cggaacgacg aggaagatga 120

ggaccagcca ccggccaaga agaagaaatg atctgccttc ctgctgtcag tgtttcagtc 180

cgttagttta tctgctgtct agatgttgat tgagcgggtc tggtacacac cgacctatgt 240

agcttctgtg tcttggtggt tcggtgtctc atagggtaga acattgaact tctaatgttg 300

tttcctgcgt tgtgcaagta gtcttaaca 329

<210> 1553
<211> 61
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsf15710106g02b1

<400> 1553

aaattaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 60

a 61

<210> 1554
<211> 105
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsf15710107c01b1

<400> 1554

aggtgttgtg ctactcgacc cgggcagtgc tgcatctaag gcgttgagca tcccgcccag 60

ggacatgcgc ggttgatata caattgatat cacagacgtt tattt 105

<210> 1555
<211> 229
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsf15710107c04b1

<400> 1555

cccactcgtc ctctctctcc gattgtccat ctccgctcat atggggaccg aggtcctccg 60

cccgcacagc atcctgcagc cgcagacgca gaggatctgc gccgcgcacc ggaggcccag 120

caaccccggc accgccagga ggtctcctcc tccatcggcc tcgacgaccg gccggagaaa 180

ccatgggcgg ccttcctctt cttcttcttc ctacgggaag gtgacgtat 229

<210> 1556
<211> 114
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl5710107c05b1

<400> 1556

aaaattataa atttaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaggaa aaaaaaaaaa 60

aagaaaaagg ggaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaggggggg ggcc 114

<210> 1557
<211> 306
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl5710107d04b1

<400> 1557

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gcggagaacg gcggctgcgg ctgcacccag tgcaagtgcg gcaccagctg cggctgctcc 120

tgctgcagct gctagatcta tcatcggtca tgcatgcacc gcgcgcatca tatctatgat 180

ctatctacaa tctacttacc atgtaacgcc acctgatcga gggtctttgt atgtatgtaa 240

gcacctgcca gcatgagcag agcaggtgca ctgccatgca tgtaaaccga cccctaaata 300

aaatct 306

<210> 1558
<211> 263
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl5710107d09b1

<400> 1558

tgcccactcg tccggcctcc cttgtcctcc tcccagggct gtacagtaga tgtgtgcgcg 60

tatagaaagg tagcaaaaat aatagtccga gcgtacgatt gttaccgatc ttggcaacat 120

tttagctctt ccatttttgg catggtagga catttgtttc ttttttcttt tccagaccac 180

tgtttcttcc ttttttttttt tctttcgagc cctgttactc cccgtcaagt agacggtgga 240

agatttggtt atcagggttg cat 263

<210> 1559
<211> 66
<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsf15710107d10b1

<400> 1559

tgtaaaataa aaaaaaaaaa aaaaaaaaaa aaaaggaaaa aaataaaaaa aaaaaagatg 60

atggtt 66

<210> 1560
<211> 136
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsf15710107e06b1

<400> 1560

agtattttaa ttaaacattg ctgctcaaaa aaaaaaaaag gaaaagggaa aaaaaaaaaa 60

aaaaaaaggg gaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 120

aaaaaaaagg gggggc 136

<210> 1561
<211> 133
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsf15710107e11b1

<400> 1561

tttcgctgat ttaccgcatg taatgttcgc atgtacaggt ctgttgcatc aaaatttgcc 60

tagaatcatt tttcctcatg ggcctgatac agagaacaca catacgtggg ggcccctctg 120

tttcgggggc ccg 133

<210> 1562
<211> 89
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsf15710107f10b1

<400> 1562

tttcccactc gtgcgcccac gcgtccggcc acgcgtgcga ccacgcgacc agaaaggtaa 60

gactgtttat tggaataaca ctaattcta 89

<210> 1563
<211> 157
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsf15710107f11b1

<400> 1563

tctctttctc tcttaaagtc gcgtcccttc cgacggaacc ccgccattaa tccccacgac 60

cgacatgccg tgtttaattc tctgtaccac ctagctctag tagatgatcc atgaccggac 120

cagtgttgct tcctaattgt gcttgatttc gttgctc 157

<210> 1564
<211> 354
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsf15710107g10b1

<400> 1564

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ctcttcaccc cgatcgcgtt cctggcgtgg ttcccgttcg tgtctgagtt ccagacccgg 180

atgctcttca accaggcctt cagccgtggg ctgcagatct cgaggatcct gggcgggcac 240

aagaaggacc gggcggcgct gagcaaggac gataggtaga tagatcgatt gctgtagtag 300

ctagtaaggt aggaggatga ttgcctgctt gcttgcttgc tgtagaatat atat 354

<210> 1565
<211> 54
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsf15710107h06b1

<400> 1565

tcggccactt gtgcttccac gcgtccggcc acgcgtacga ccaggcgggg ggac 54

<210> 1566

<211> 217
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl5710107h12b1

<400> 1566

tcgagactta tcgcctcagc tcagtcctca atgcagaaac agggcacgat ctggaaaaaa 60

aaggggcaga acatgtcgtc ggagaaacag gagacggtgg cggtgcgcgt gctgggcagg 120

tggccgagcc cgttcgtgat ccgggtgctg atagttattg ggctcaaggg cgtggaccac 180

tagctcgtgg aggaggccgc gggcaacaag agcgagc 217

<210> 1567
<211> 366
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl5710108b10b1

<400> 1567

attaggaaaa caattactat tcattaattg cctgaacaac gtggtcaggc acatcatacg 60

tacacatcgg ctaggactgg agtacagcaa ggagttgaca gttcactcac gcatacggac 120

gcgtgcatac atgtcgcata aatatatatg cacacacagt gtgtgtgcaa ggtacagaca 180

tagacacact actgaaataa cacacacagg caacttcatt ttatttttta gtagctcaac 240

atcgtatgag cactccatca acgtagaaat taagctccac gcaagcgcgt tcatgcatgc 300

acgtaggaag gattatatat tgaactagtt gacattgttg cagttggtgg acatgctgat 360

ggggaa 366

<210> 1568
<211> 188
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl5710108b12b1

<400> 1568

tgtacgcgtg ggcggacgcg tgggcggacg cgtgggctga cgcgtgggcg gacgcgtggg 60

cggacgcgtg ggcaggatga aggccgcggt cttatatata ggtcacctcg tgagtgtgcg 120

caattaatgt gttaatttgt tctttggtgt gggcgtggag actaggttcc attaattgcc 180

gtgtgcta 188

<210> 1569
<211> 280
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsf15710108c05b1

<400> 1569

ccaaggtgaa ggtgaaggac tgtgcgagcg cgctgagggc caaggcgaag atcgtgtggg 60

ccaaactggc agagaaaacg gaggccgcga cgtcgaggtc gcacgacgag cggcagctgg 120

cgcatgagcg cggcagggcc aaggtcgccg ccacggaggc gcagcttcac caggagaagg 180

tcgcgcatcg ggaggctgcc atggagcacc gcctccacaa gcacgccagc gtcggcggtc 240

acaaccacaa gcacggcgcc cgtggcgtgc actgatatat 280

<210> 1570
<211> 437
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsf15710108d03b1

<400> 1570

gcgtccgggc gcaccttcga ctagcaccac gaccacgggg ctccggtgga atttagataa 60

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tatggtcact tcagattctg acctgatctg gacaatatcg ctccggcact gagtttttcg 180

atgcatcttc tcgtcagaca atacttctat gagctacgat ggattgatta gcacgtcgaa 240

catcgttgat gaggaccggg ttatggtcgc ttcagattct gacctgattt ggacaatatc 300

tctctggcac cgagcttatg ctaggcagaa cgttttagct atcgccaatt gtctcatcta 360

atttatgtct atgaccacta catccagcag tgacgtgata aattctggcg tgttagaatt 420

tcaagccttg taaattt 437

<210> 1571
<211> 144
<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsf15710108e10b1

<400> 1571

ttttagtgca agttttgcta ctgttagcgc cgtgtgatat gcgccctgtt gatgtgtcat 60

ttgagtactg tcgttaattt tggcttttgg caaaacatgg aagcttctga gactactcat 120

ttttatcctc tgctttggaa tgtt 144

<210> 1572
<211> 62
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsf15710108f07b1

<400> 1572

ggcggacgcg tgggcggacg cataatatta tacaatatgt cgactatata cgttttaatg 60

gt 62

<210> 1573
<211> 216
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsf15710108f10b1

<400> 1573

tttcttttaa tgatggtgcc tgcttaatga acgagcgatg aattggcctg tatctctgtt 60

atccatgtgg tgaaaactgg aagtgtttgg tttgagcagt ttaccacctg cgtcgatgta 120

ctctgtctgt atggttcatt gtgtccaagc tgacctcctg cttggaagcc agcttgccta 180

aaacctgtcg ctttcaaact aatcgtcttc atctca 216

<210> 1574
<211> 240
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsf15710121a10b1

<400> 1574

gtgcttgttc cggagagggt gaagcctaag tacaactacg aggaaatgta caaggaccct 60

cagaagttcc ttacgccgca tgtcccagac gatgagatat actaaagcta gcttgagctt 120

tcgtcaaaca aagatgatgt aatccttagc agtagacttt atctgccgtt gcatttggtg 180

tgatggtgta gctgttgtgt tttggcattt gaccaagcaa atgaaagcac atggaactta 240

<210> 1575
<211> 373
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl5710121b01b1

<400> 1575

gtgggcccag tctggaccaa aatagcattg aacccaaaca atgtaagttt gagtgagcat 60

ggcaagcatc tctgaagaca gtccgaactc caaaccatac aacaagtgct aaatctcaca 120

cattacaaat attaggacac aaaatgcctg attccataag catcggtttt gaccaaacac 180

tattaagtac taaaccagaa gcaggtaagc caaaatatca ctgagacctg gcaattggtt 240

caagggcttc aatcatcaca acactatttc ctctcagaac caccatccct atgtcggtct 300

tctcatctcc attgacctcc acagtgttgt ccaccaccaa attcatgaac tgatcaaagt 360

tgtattgata aat 373

<210> 1576
<211> 370
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl5710121c04b1

<400> 1576

cccacgcgtt cggcgcgttc caacttcgaa actgctgtgc ggacgacgca cagcctgcac 60

gacaaggaaa cgatggctaa tccatccgtt ggccccactt tagtcatatg catggacggc 120

ttgatttagt tgtcgtacac aaatcgtctt caaaacatcg tctgcatagc agtgctcttc 180

caacttttgg ttatgcgctt ggttatctag tactagtagt atgtggtagt ggcctgtgat 240

ggcctgttgg gactcctggt atgttgcgtt cctaagctgg ttgccgcact tggtgcctca 300

gaacctttga atcctgttag gatgctgctg ttgaaccttt actattaaac catcttaatt 360

gctgcttttc 370

<210> 1577
<211> 198
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl5710121d02b1

<400> 1577

atttgtagag gctattggtt ttctagtttc tactacctaa caatttattt gtatctacac 60

cagttgttga cgatgatgtg ctgctgtaag ttgttaacaa aaaaaaaaaa aaaaatttaa 120

aaaaataaat aataataaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaag 180

gggggggccgt tttaaagg 198

<210> 1578
<211> 118
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl5710121e01b1

<400> 1578

ctcgtttatt cttgtgaagt atggaaggcg atcaaattcg agttcgagcc ggtagatact 60

attgataagt agataaaact aaagataaag aagagaaggt ataaataaaa aagaaacg 118

<210> 1579
<211> 433
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl5710121e05b1

<400> 1579

gggaggtctt gtgctccaag ccgctggttg gccccttcaa cttccgcttc ttgtccaaga 60

atggcatgaa gaacgtcttc gacgaggtct tctccaccga tttcaagatc ggcaaaacct 120

accaaccgga atattgatcc acaccggcac tgcacaccgg ccaagtttca gttgatcaaa 180

atcgtcctaa ttaattaaca cccatgtatg agtcgcgtag gaaatatgtg cctgcatgag 240

tggatagcta gtgaataatt ttaatttttg atgcacatag atatggtagg agaagcaaca 300

acggatgtgt ttgctctccc atgcatgcat ccactgtcga tgcagcagtt ttcttttgtg 360

ttaccgaatg tgtaaccgaa aatgctcaag tttcttaatg atctatggaa gaaaactcta 420

ttcttttgtc ggg 433

<210> 1580
<211> 164
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsf15710121e08b1

<400> 1580

ttcaacaagg cgtacgggat gtcggcgttc gagtaccacg gcacggaccc gcgcttcaac 60

cgcgtcttca acgaggggat gaagaaccac tccatcatca tcaccaagaa gctcctcgag 120

gtctacaagg gcttcgaggg cctcggcacc atcgccgacg tggg 164

<210> 1581
<211> 125
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsf15710121e10b1

<400> 1581

ttctcacgcg tccgctattt atgacatgtc aaccaaagat ttgtgtattg tattaatgtg 60

tgtattatat caccacaaca atgtgcctgc tattagcatt aatgagtacc gtatatcttg 120

agaca 125

<210> 1582
<211> 423
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsf15710121g11b1

<400> 1582

ctcttccatc gggaaaagac agcggcgcgt agcaaacgaa acacggcgag gccggcgatg 60

gatgtcaagt gccggcgtct ggaggggaag gtggccgtcg tgacggcttc cacgcagggc 120

atcggcctcg ccatcgccga gcgcctcggc ctggagggcg ccgcggtcgt catctcctcc 180

cgcaagcaga aaaacgtgga cgaggcggtg gagggcctca gggcaaaggg gatcaccgtt 240

gtcggggccg tctgccacgt ctccaacgcc gagcagcgca agcacctcgt cgacacggcc 300

gtcaagaatt tcggacatat tgatattgtt gtctccaatg ccgctgcaaa tccttctgtg 360

gatagcatac tagagatgaa agagtcagtt cttgacaagc tatgggatat taatgtcaaa 420

gct 423

<210> 1583
<211> 148
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsf15710121h03b1

<400> 1583

ggtaatatag aaccttgaaa gatagggttt tcacggttgt cggctgtgtc ggtttttgtc 60

agatgcgttt ctgtgctgta ttaacttgtc gaaagagtat ggagcacacc ttataaacat 120

caatagcaac tgggttttgg gagtccaa 148

<210> 1584
<211> 188
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsf15710121h08b1

<400> 1584

tctcactcgt ccgggactgg aagttgtgtg caatttgtga aactaatttt tggggtcctt 60

gttgttatcc atattccgag ttcatgtgtg aagttctttt tgtagaaatg gtacctttgt 120

aagtcatttt gttttatagg agtgacttat tcgtcacagt aaagaatgtg tgactttcaa 180

aataaaaa 188

<210> 1585
<211> 143
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsf15710122b07b1

<400> 1585

cccatgcgtc cgaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 60

aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 120

aaaaaaaaaa aaaaggggggg ggc 143

<210> 1586
<211> 412
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsf15710122b08b1

<400> 1586

ccctttcgtc cgaaagaagc caacaccaat caaggcctcc atccaatccc aagcaacctc 60

gaagatgtct tgctgcggag gaagctgcgg ctgcggcagc gcctgcaagt gcggcaacgg 120

ctgcggcggc tgcaacatgt accccgaggt cgaggccgcc ggcgccaccc tcctcgtcgc 180

cgccaccgcc acccacaagg cgagctccgg cgggatggag atggcggcgg aggatggcgg 240

ctgcggctgc acccagtgca agtgcggcac cagctgcggc tgctcctgct gcagctgcta 300

gatcattgat catcgatcat gcatgcaccg cgcgcatgca tcatatctat gatcgatcca 360

tccatccatc tagtaccatg taacgctacc tgatcgaggg tctttgtatg ta 412

<210> 1587
<211> 271
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsf15710122d02b1

<400> 1587

aaaaaaaaaa aaaaaaaaac aaaagaggca cctaaaaaaa aaaaacagaa acacaaaaaa 60

acaacggggg ggcctgttaa aagccccaag ctacccccc ggggggggc agaacaaaac 120

ccctttttgg gggcccccaa aaaaaaataa gggggcgggg ttccccaccc cggggagggg 180

gaaaacccgg ggggtcccca aaaaaaaccc ccggggaaaa acccccctttt tcccaggggg 240

ggaaaaaaaa aaaggggccc cccccaaccc c 271

<210> 1588
<211> 214
<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsfl5710122d05b1

<400> 1588

gtttttcttt atgggcgggt atgcatttct attcttcatc cacctggtga tgatcccaac 60

ggatacgagc tcgcgagtga gcgttggaca ccagtccata cggtagtgct tcttatttag 120

tgtctaccac gctaaaattt tgcttctgtt ccatttcttc tgcttaatgc ctttatctgc 180

tacatttgtc gccatacatc atcaaacatc attc 214

<210> 1589
<211> 189
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl5710122d09b1

<400> 1589

ggagcaacta taggggggct ttaccgttcg cttactcgcc tttcgatgaa ctatgttcct 60

tggtgaaatt tcccacgagg cagtaaaata actgcattgt agtttctgca ttgtatttca 120

tgtgctgagt ttcttcctga tgatgctgca cgtttatgct gtgatgatac ccagcctact 180

gtttttgtc 189

<210> 1590
<211> 129
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl5710122e09b1

<400> 1590

ttcaagggaa taggagggga ttcaccaaac cattcctcgg agatttgcac tcccagttct 60

cttgtttggc ttgtggattg aattaaatat tgagagctgg acaaggaatt catatccttc 120

tgtttggtg 129

<210> 1591
<211> 123
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl5710122g07b1

<400> 1591

tttcatgcgt ccgcccacgc gtccggtttc agattgccat gttcctcttc tgctttatgg 60

agactctgta accattagcc gtccagcaca atgaaatgaa atgaaagggc gttgctcctg 120

tcc 123

<210> 1592
<211> 241
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl5710122g12b1

<400> 1592

tttctctttg acatctaact gcctttcgga tccagtgcag tggctgtgct gctgaaggtt 60

ccctcgtgaa ataaaagctt tcctttacaa gagaacggca ctctgtttta ttttgtcttg 120

tgggttagga agaagcccac tgaacaatct ttaatttcct ttctaccgaa aaaaacatgg 180

acaaaaacat gaagagaggt catggaaagt ttttaattca agtgtttgta attttcgttt 240

g 241

<210> 1593
<211> 67
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl5710122h03b1

<400> 1593

ggaggccaag cgcaaggccg ggcgggataa ggtgaagcgc gacatcgacc aagagaagca 60

agaaagt 67

<210> 1594
<211> 343
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl5710122h04b1

<400> 1594

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ccgctccaac ggcgctagcc tcggcagcgt cagcaacggc ggaaggatca ggtgcatgca 180

cgtgtggccc atcgagggca tcaagaagtt cgagaccctg tcttacctgc caccgctcag 240

cacggaggcc ctcctcaagc aggtggacta cctgatccgc tctaagtggg tgccttgcct 300

cgagttcagc aaggtcgggt tcatcttccg tgagcacaat gcg 343

<210> 1595
<211> 278
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsf15710122h08b1

<400> 1595

gaaaggcgag gactatgtcg gccacgacgg gggctgtgcc gttctggcga acggcgggga 60

tgacctacat cggttactcc aggctctgcg cgtccatggt gcggagctgc ctcaaggagc 120

cctacaagtc cgaggccgcc gaggtcgaga aggtccacta ctcccgcttc aagtggtccg 180

acggaaagca gcccaagccc accatctgcg aagatgataa atgaaagatc cggtgccatg 240

gtgacacagt cctttctacg gacgttttga aaagctat 278

<210> 1596
<211> 247
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro5710001b11b2

<400> 1596

tcgcttggat cttagagggc tgcgcagtta ccgaaggctg taaatgcttc acctgctatc 60

agcataacat gtaatcttca gctgctcttc cttagtagcg tatttctatt attctctggg 120

gtcatcaact tcggccatgg ttaggtatgc agaaaactag atagatgttg gatctggctc 180

catcctgttt tatttgcagc taacctgacg atgtaagtgc gtttgatact cgctctgata 240

catctgc 247

<210> 1597

<211> 137
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro5710007b10b1

<400> 1597

tcttacgcgt gggttgtaat aaaacaaacc ttgtgttgta tcaatggtct gtgtgtgatg 60

atgtaataaa agggcagcct cttccgctcg acgaacatgc ggtgattgac ctagcgttat 120

caagttgctt gcagttt 137

<210> 1598
<211> 89
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro5710007b12b1

<400> 1598

gcgtccttcc cagttttatg tgaaactgtg tccctggtta tctgcccgat tgccgttctt 60

gtgatggaat gaaacatgta ccggtttgg 89

<210> 1599
<211> 170
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro5710007d02b1

<400> 1599

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cgtcaaagct tcaaagaaaa tcaactgact tgataagatt ttccggtctc 170

<210> 1600
<211> 154
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro5710007d05b1

<400> 1600

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tagcagtagc tggttgttca atggttgctt cagtgttctg aatttctgat gggcaaacac 120

tgtgtttgcc gagatatatg aatccagagt taac 154

<210> 1601
<211> 147
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro5710007d07b1

<400> 1601

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cgcgagcgag gagaccgtcc tagggttcgc gcctccccgc cggtccccgc ccgccgatcc 120

tctccccgcc gccgcccccg aggatcc 147

<210> 1602
<211> 57
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro5710007f08b1

<400> 1602

ttttgtaatg taagaatgaa agatttacct aaggaagtac ttttaaatcg ctccttc 57

<210> 1603
<211> 406
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro5710007g09b1

<400> 1603

ttgtgtttct agctaaccag aggtgtggtt tacggacacc aaccaacatg ctagaggagc 60

gggatacaaa cattttgtga aggtttcaga ttttagttta attttctacg tgtattaggt 120

cttttggttt tccaatgaga tgtgcagtgg tgattgcggc acacacttag aaggtgttcc 180

aacataagct ggaattctgt catacggacg acaaacttgt ataccaggga tgctgtatta 240

tcttgcccat ttatggcaac attagcttgc gtgtttttcc tcttttcctt ttttaaccat 300

ttcatttgtt actagaggat ttggtcggct ttatactagt aaaaactatt tgggggtgcc 360

aatgccatcc tggtccccat taataaagtc acccaaagta catact 406

<210> 1604
<211> 415
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro5710007h10b1

<400> 1604

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agtaatgaca tgtgggtctg taaatcaaag ttgtgattat tgtaacattc tatttcatta 120

tacaatgagg catggtgaat caactgagct tgcaaaacat cgaacgagca atcagcaagc 180

ctgagttaag tttgacatcc tcggctagaa cagtacgact caacaatttg agcgatggat 240

ctgcagtgcc tgcaatagaa gatccatcct tgcgtgccat cctgtgttcg gaccaaatac 300

atgtcatttt cttaatgtgc ttttatttat gtttctggaa tgtgggggct tcttgcgcca 360

tgccttccaa acggcgatag ggttcatgtg atgctattac ccggtaattt gtctt 415

<210> 1605
<211> 85
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro5710017h03b1

<400> 1605

gaaagagact ctcctatttc ctatgaaatt ccaagggatt taggagctct gagtcaggac 60

caggatcaaa gattctccta gcacc 85

<210> 1606
<211> 113
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro5710018a07b1

<400> 1606

tcgtgttttc ccagtgtgta tgaatgaggc ttgtagctcc ccttttgcct gatgatttac 60

aggacagtac atttgctgga agagtgaaac aatttgacac ctgattagaa tct 113

<210> 1607
<211> 97
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro5710001c03b2

<400> 1607

tataatttaa aaaaaaaagt aaaaaaaaaa aaaaagaggg aaaaaaaaaa aaaaagttgg 60

aaaaaataaa accataaaaa aaaaaaaaaa gaacaag 97

<210> 1608
<211> 367
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro5710001c04b2

<400> 1608

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gctcggcctc gacttcgact tcgtcgacgt ctacctccgc accggcgccc acaagcagcc 180

cgactttctc aagatcaacc cttttggcca gatccccgcg cttcaagacg gggaggaagt 240

tgtcttcgag tcgcgcgcca tcaaccggta cattgcgacc aagtacgggg cggccctgct 300

gccgactccg tctgccaatc tggaggcgtg gctggaggtg gaattcaaca attttaccct 360

tcgtcgc 367

<210> 1609
<211> 142
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro5710001d02b2

<400> 1609

gacgcgtggg gggaccgtgc ctgggaatat aagaaaataa aaataatctg caatacctat 60

gaccacgttt tgctgcataa ccgagattta aataaaaaac cactaaactc aacaacaacc 120

aacataaaaa ccaacctaat ac 142

<210> 1610
<211> 155
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro5710001d04b2

<400> 1610

aaggaagctg gacaatggac aaggcacacg gcggccaaac atgtgaggcg gagacaaatg 60

agacgatgac agctaatgaa gcccccgaga gggagccaat ggactgggac cctgaaggga 120

gcacagacca cgggtccacc tggaaaacta aagat 155

<210> 1611
<211> 510
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro5710001d11b2

<400> 1611

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cccactccca cctaccatcc cccgctcttc tacacatcga ggacgaaacg gtggtgaggg 120

agccgggggа ctagctgcta ggcggaggag gagatggagc gagggctcgt cgcattgctg 180

ggtctggggc tggcgcttct tctgctggcg ccctcccgac gtctcgcctc ggccgctccg 240

gtggaggacg gcctcctcat gaatggtgat ttcgagacag caccacctgg cggtttcgtc 300

aaatctgctt cagtttccga gggcgcagcg accccaagct ggatgatcaa tggaacagtt 360

gagctcattt ccgcaagcca gcaccagggt ggcatgatcc ttattgttcc acatggcgat 420

catgctgtgc ggctagggaa tgatgcaggc attgggcagg tggtggaggg tgagaagggc 480

tcatagtacg cgatcacatt cagggccgcc 510

<210> 1612
<211> 265
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro5710001d12b2

<400> 1612

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cccgcaagaa ggacgggggc ggcgaggaag ggaagcagca accgcagctg gttccggcgc 120

acaagccgaa cctcccctcg cagccagacg tggacgaccc cgccaagggc gggctccggg 180

aagacgtcct cgccgcagag aaaacccatg acatggcggc gctgtacgaa gacatggcgg 240

acgacggcgt gacggaaaag gacgc 265

<210> 1613
<211> 161
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro5710001e03b2

<400> 1613

tcatttcttt tttggcttcc accttcccct cacgcgcggg acctcgtagt cgacgcctgc 60

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cccttcgctg agttcgcaag gacagcgtcc gcctcgacaa g 161

<210> 1614
<211> 303
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro5710001e05b2

<400> 1614

tcctgggact ttcccacgcg aacgttcctt tctccaggat ctcgctggtc gtggagctcg 60

ccttggagcg cacttcggtg ttttttgcgt acgtacgagg tacgcgcttg acacggtcgc 120

tacacccgac gagcacggtg tacgtcgtct cttccaccgg tgacaggcgc cgggcgcgag 180

acactgagcg ccagacgtga gcgagcaggg actggaggga cgagagggtg gctgtggagg 240

tcgccgagcc gacgccggcg ctggccacct cggcgttcgc tctggacttc agcttcttga 300

tgc 303

<210> 1615
<211> 455
<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsro5710001e10b2

<400> 1615

gctcacacga aacagacaga gacagaggga acaaacaacc cagaacccgc accaccagga 60

caggacacga ggcaaggaaa gggaccgcag gaagagagcc agaagaaacc gacccgagcc 120

tcaacgcgga cgaagccgga acaaacgaca aggcaaaaag ggccacaaac agaaacgaaa 180

acagccaaac aaacgggcgg cggggaaccc acaaaccggg gaaggaaaag aaggaaagag 240

gggccagaga aaaaccaggg ccgaggcgaa aacaacacaa ggagcaccac cgagaaaaaa 300

agcacaggca aagaagaaaa acagcaagaa aacgggaaaa acaccaaggc aaaccaaaga 360

caggcagaac aaaggaaaaa aagaaccccg aaaggggggc ggaaccacca ggggcaggaa 420

ggcaaagaaa aaaaaaaaaa aaaaggggg ccgaa 455

<210> 1616
<211> 142
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro5710001e11b2

<400> 1616

aaaaggagga aggacaagaa agcctcccca acccgggggg ggggagacaa aacattcaaa 60

acgcagcgta cagaaaccag gagacaagaa ccagcgcacc aaacctcaaa caaacaggga 120

caggggggcc gagcgggagg gc 142

<210> 1617
<211> 426
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro5710001f05b2

<400> 1617

ttatttacaa aaaaaaaaaa aaaaaaaaat agggaggatt ttaaaagaat tttgtgtgga 60

tttaaacaaa acactaaagt gttaatgatt catacacttg tcgttattta tgtggtctat 120

ataggccatt gttatattat ggtgggggggc atgttttaag gggacacagt ttgtccgcct 180

tctgctcggt gggagaacat tttgtctgtg gggtcccctc agtctaatcc tggggaggag 240

ctgacacccc gtgtgggggg gaaaaccctg gggctccccg acttaaggtt ttaggaatga 300

tacccctttt cccctgtggg tgataatcct ggaggggggcc cacccctatcg tccctcccaa 360

catctcgcat ttcaataggg gtatgggggc cgcctctttt gggggctttt atgggggggg 420

gggggg 426

<210> 1618
<211> 381
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro5710001g04b2

<400> 1618

ttaataccca ggacgtccca cgcgaacgtt taattgtgag cccaactgca tgtagaaccc 60

gggcgcggga atcgtcgact tcttatgcaa tcgacgacca ccacctagct aatcggctaa 120

acatcgaacg tatcgagaca gtcgagcgct gggttaaata attatgatga cgcttgctac 180

tataatgagt gagaagtatc acctcacctg cagccatgcc tataagaatg agcgcagctc 240

ctataattaa ggcacttcaa gaacttgatc tctacggtac tgcacgtata acgaacgtgc 300

gaacctcact gtaaaaaggc cttgaggcgg agtgtgacaa cctcgagccc aatgcccccct 360

taataaacat atcaagtttt c 381

<210> 1619
<211> 303
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro5710001g05b2

<400> 1619

ttcccgggat ttcccacgcg tccgttcacg tctcccagaa atggaaactg tgaccaccag 60

gcatttcgta tggagtgtca ttttttataa cagccaccta aagtgaaaga tgaactgaca 120

agcgatggtc atctgccaac ggacaacagg agactggaac gtgtggtgca cgaaacgaaa 180

agaataactg caagccctgc gccactgcat agatgaacaa cgcaacggca catgctcttg 240

agcatgtgac aaaccaagag cagccaacta tacatcagcg gttgagcgat ctgaacttga 300

tga 303

<210> 1620
<211> 486
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsro5710001g07b2

<400> 1620

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gcagaggact gccgcggcag catcgccact gctccaggat cagcagcaag aaaagcatga 120

agctgctgat ccggtgccgc cgccgccgcc gcgatcgacg ctgtaccagg cgctgacgtc 180

gacggcgagc ctggccaacc tgctccccac aggtacggtg ctggctttcc agctgctcgc 240

gccgaccttc accaaccacg gcgcctgcga cgccaccacg gcgctgctca cgcggatcct 300

cctcgccgtc ctcgcgctct cctgcctcct cgccttcttc accgactccc tcaatggccc 360

cgacggccgc gtctactacg gcgtcgccac cctcaggggc ctctggctgc tcgactaccc 420

gcccggcgcg cncacgccgt cggacacgtt caggtacagg ctggcaccaa tcgacgccgt 480

gcacgc 486

<210> 1621
<211> 203
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro5710001g11b2

<400> 1621

ccaaactttg ggttaccacc ggcgaaccgg aacgaaaggg gaggatgaac caaacaaccc 60

cggcgaccaa gggaagagag cgtgacgaga agcacgaaag ccaaccggcc gaagaaaagc 120

ccaatgcggg caggaagaag cgaaagagga agccaggacg aaagacgaac aacacagacc 180

gtcaccagca acaagacaga aca 203

<210> 1622
<211> 355
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro5710001h01b2

<400> 1622

tttcaattgg aacgaactat tcagcaaacg cgagtgggga gatgtgagcg tgggagcggc 60

actgtttacg ccgcagcaac tagctggcat aaatgcatgg tgagtactac atctacactc 120

aggagttccc cgcaggtgca aggcatatgc atcatgacgg tgcagcgagc gctcttgctg 180

gtgccgccaa agtttttggg accatgattg catcttcact gatggacaag caagggagga 240

agagcctcct cataacaagc ttttctggaa tggcggcgtc gatgttactc ctgacattgt 300

ccttcacctg gaagggcttt ggcaccttat ttcggcactc atgcctgtgg cggca 355

<210> 1623
<211> 270
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro5710004a02b1

<400> 1623

ttctcatgcg tccgcccacg cgtccgcgga cgcgtgggct acagcaaaag ggaattctgg 60

ctggagaaga gcaccggcat ggattgcatg gcattgcact tgaaagcgta agtgataaca 120

gggatcgatg acaggagata ttgggttcac atgccaaaca cagagtttag gttccagtcc 180

gtggcgtacc tgaaccaaat attcgtggat cgaggtgttc tcgggagatc gactttcact 240

taccggtggg gacctacagc ctttacttta 270

<210> 1624
<211> 115
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro5710004a05b1

<400> 1624

ttttattttc agggaccgga cgagtagtag gccaggattt actctcccgg gcgagtaagg 60

tccgttgaac cagggcgccg tgcctacgca ccaacctcga tcatggaatt ccccg 115

<210> 1625
<211> 205

<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro5710004a06b1

<400> 1625

atcttgcatt ttccagcgat cggacgaatg agtggaccat gatttagtca gcacggctct 60

cactgtcggc tgaacctggt gagtccgagc ctgtacacct gccgcaatca tggccataac 120

gcagccatag ttctttcctg gacggactac ataacaaaag atgatactga gtgcctccct 180

tatttcgatg ggtgagcaac tgaac 205

<210> 1626
<211> 315
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro5710004a11b1

<400> 1626

ggcaggactc ccgccggccc gttccggacc ggaatggttg gctcaaccca cgctgtactt 60

ttcacgcgtc cgcccacgcg tgcggccacg cgttcgccca cgcgtccgcc cacgcgtccg 120

accgttacca cgagaccccg ggagggccga tctctgaagg gtggcaaatc tctgccttga 180

aatataagaa cgtgaattac actttcgtta gtgtttttgg aatcgtgttg gacgcccggt 240

tagattgatg tatatacgca tgctgatatc agagggatat gccaatagtt ttggctagat 300

gggattctaa aaaga 315

<210> 1627
<211> 287
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro5710004a12b1

<400> 1627

cggcccgtac cggtctggat tgcttggccc gacccacgct gtcctttcga gcggacgcct 60

cagtatcata acacatacga ggagcgcctc gagcttttca gctcgctccg ggagagcgga 120

gtgcttgtgc atcacaggtt ttgatagctg ccatacccat tcagagtagc tgccgataga 180

agtccactac agatgacaaa aggtgatcat accttcaata catgtttgag taactgagta 240

tattagtata atggtcgaga taggtaaaaa aggattcggt ttattca 287

<210> 1628
<211> 196
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro5710004b05b1

<400> 1628

gacttctgac ctattctgta gagtcaccta atttcaaatc actggcctta ggtttacaac 60

gagccgactg gtaaaaccct gggggtaccc aacttaatat gcatggagca catccctctc 120

ttgccagctg gaaaaatagc gaagaggtct gtaccgatcg ctctccaaac aagagcgcat 180

cctgcatggc gaatgg 196

<210> 1629
<211> 398
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro5710004b07b1

<400> 1629

tttcttagaa ggtcaagaaa gaagagttga agagatcact ttatgcattg tgctctcagt 60

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tggcattcag tgaaattaca gcggcttcca atgctttccg gggcctacag gactttgatt 180

tttacggcaa aaaaatgcgg gtacaatatg caaaaacaaa gtctgactgt tttgcaaaag 240

cagatgggtc ttatgctcct aaagagaaaa ggaagaagca agaggagaaa gctgcttgaa 300

aaaaactgcg aactgaagat ggacaacaac ctggtgctaa tgctcctgtt gccccaagca 360

atggaactgg tcatcaatct tatctttttg ccaagtct 398

<210> 1630
<211> 432
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro5710004b08b1

<400> 1630

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ctagcatgga gagtggtggt ggcaagagga gggcatcgga tgtggtggcc attgccatta 120

caatgctgct gcttctgcag ctgatggcag ctccgcggac ggtcatggcc gcccgcaccc 180

tgcacgtgga ggacatgaat accttccctg tcctgcgctt aaacaccatc gcgagcgaat 240

ttgccaagcc attgctagcc ccattctgta aggatacctg tatttttact tcttgcagtg 300

aatccttttg ccgttgcagg tggcccgact gcgtgaagag ggatgacttt gctagacgac 360

tcctcatgat ggtagctttt ttttttgcgc ttgaagttgt ctgatcgaag cagttgattt 420

ctgactatca ta 432

<210> 1631
<211> 363
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro5710004b09b1

<400> 1631

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aagagcagga ggaggaacat gagcagaagc ctgtcatcgg tctggccgac cccgcggcga 180

tcacgacggt gaccgcggcg gccgatgagg aggaggagag cttcgacttt gggtggttcg 240

accagtacct gacgtggccc cggacggtgc tgaacgagcc ggacgtagac gtggtgccgt 300

cgccggagga ctggtagcgc tagctgcagg gggaggaccc gcttttcgtg gggctgggcg 360

agc 363

<210> 1632
<211> 274
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro5710004b11b1

<400> 1632

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tcatgcgcac tggtactggg tctgctcatg gacagcaaac tccttagcca ttccaccaac 120

atatggatcc aaggggacgt gtgctccaac acccacctgc acctcggcac atccctgagg 180

tccaacagat gcatggggtt ggtgttggag gtattcaaca tccatatgac atgggaagct 240

aacttgtgca agatgctgct ctgtgatctg ctac 274

<210> 1633
<211> 266
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro5710004c01b1

<400> 1633

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gacgggcgca acgcaatggc ggagctgctg cgagcggccg atttctttga cctgcgcgcg 120

gcagcgccgt tcgtggcggc ggtggtggcg ctctactttc tggctgacca gctgtcctac 180

ctccgtaaga aaggcccccc gtcaggtccg tcgctcgtcg tgccgttcct cggcagcgcc 240

gtgcgcatga tccgcgaccc cacggg 266

<210> 1634
<211> 180
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro5710004c03b1

<400> 1634

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ttagcgtata caagtggcga gcggtaccta gaggcagggg agagggaagc tagagcagtg 120

gtcgtggcca tgggtgccca ggagatcaag tacttctcgc aggcgaagct tggccggcgg 180

<210> 1635
<211> 250
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro5710004c07b1

<400> 1635

tttttgaaaa ggaggaggaa tctagggaat ctaggaataa tgggcgagcg ctctggagga 60

gccagggata caggcacgcg agggcagcaa gggaaggata caatggtggc accgaaactc 120

aagtctcggc tcgttgctta tacagtcccg acgacttggt aaaacattgg tgtgagcaaa 180

atttttagca ttactaccaa tactgttgtt gcaagatggg gtaatactta ataggctcct 240

acctgatttc 250

<210> 1636
<211> 294
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro5710004c09b1

<400> 1636

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ctgggatgct tgctgttgtt tcaagatgta aacattgtgt agtgacgtcg gaaatgaggt 120

accacttctt atttttgct tctacatata tactcgtata gtatttgtcg agatttttat 180

ccccaagttg tcactgtata ttatatataa atatgtaaca gggaagtgat ttctgtccag 240

aagtgtaaag ggagtatgtt ggactgacaa tatatatata ttattatttt taat 294

<210> 1637
<211> 70
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro5710004c11b1

<400> 1637

tttattaaat ggtgaaccac aacaatagat aagcctaact ttcacaaaaa gaatcaatgg 60

gcggactatc 70

<210> 1638
<211> 440
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro5710004d02b1

<400> 1638

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aagaagtgtg gagcacgctg ctgctacctg gtcgcgctct cagcagtgtg aatttccaga 120

agcatgcttg ccgtgccttc ttccgggtgc accggaggcc ggcttgtgag caggggtgct 180

ttagtgatgc agaagaaaaa aggcaagtct tattggcaag ggaaggctac tcctttcttc 240

caggtctccc tctctccatc taaatccgtg tttggaggag ggggctacgg ttagtttacc 300

caccggttta tcgtgtcctt gtgagttgtg gtcattatca tgcactccgt atgtgcttgt 360

aatgtatggt gtccttgaat ttcagctaca taatggccgg ttgagaaagt gaatgggagt 420

gtgttcatgt gagtaaatta 440

<210> 1639
<211> 79
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro5710004d03b1

<400> 1639

tgttttcagt cgctaaggat gatgctgctt tgatgcatat aaaaaaaaaa aaaaaaaaaa 60

agaactaaaa aaaaaaata 79

<210> 1640
<211> 291
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsro5710004d06b1

<400> 1640

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acgccccctg tcatcgggac tgagtggggg ctggaacgga cattgcggct cgctgagcca 180

gcccatgact aaggatgaac tggttggcgg cctccgctcg ttgggtgtac actgatccgt 240

gatgtaagcc tgacggtgac gaaatgaaga actggcactg ggttgggctt t 291

<210> 1641
<211> 455
<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsro5710004d09b1

<400> 1641

ttaccaaacc ccgctccaaa atccccaaat cccctctctt ccgaagctac tcagccatgt 60

cggggcgcgg taagggcggc aaggggctcg gcaagggcgg cgccaagcgc caccgcaagg 120

tcctgcgcga caacatccag ggcatcacca agccggcgat ccggaggctg gcccggaggg 180

gcggcgtgaa gcgcatctcg gggctcatct acaaggagac ccgcggtttg ctcaagatct 240

tcctcgagaa cttcatccgc gacaccgtca cctacaccga gcacgcccgc cggaagaccg 300

tcaccgccat ggacgtcgac tacgcgctca agcgccaggg acgcaccctg tacggatacc 360

gtggctgatg agcctctgcg cttgctggcc ggccgaggcg cacaagccct ggctcgcgga 420

caaaaaattg aggagaggaa aaagctgtat tttaa 455

<210> 1642
<211> 314
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro5710004e03b1

<400> 1642

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aatggccggg ccggtcgccg gagtgcgcgc cggcgcgctc gcgatctgca tgggcatgta 120

ctgtgaccag gtctctctcg aggatgcgtt cgcgacggtg aactacacgg ttaacaacaa 180

ggtctgtatc ttgaccttcc tgtggagcca taagagggtc catgaacctg gtcgtgaact 240

tgcacctgca cagcaacccg tctagcacct ttcttgggca ccttcgtaaa agcctgccat 300

aatgcctgca tata 314

<210> 1643
<211> 419
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro5710004e05b1

<400> 1643

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cattcgtcgg cgagctaaaa cgacattatt cacatctcag tctggggttg cgaattcctt 120

cgggttccgt agtagacgcc ttagcactaa gcgttaccgg aatatgcttt ggaactcgtc 180

tgtacttagg actaagatta gaaccaatag cgctttcacg cagagtcaag catccgttgc 240

aagcttctgc acagtataca gtgggtatat acgatgcctt cggcaataca gctagtccct 300

tttggaccgc gggtggaggc gcattgcacc ggattgagag attaaaaaaa aaaaacaaag 360

tggtttttt cgataaattt aaaagaagaa atgtagagag ctgtaagaag agccctttt 419

<210> 1644
<211> 251
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro5710004e07b1

<400> 1644

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ggtactctga accacttacg tataactagt ataagtattg gactgattcc tggtacttta 120

gtggcaaaaa ccatatggct gaagtttgaa ttgagtagcc ggttgttttg tgttgatgta 180

ttgtttatat aaatatgcac ctgtcttgtg tatatggaca aatgtatgaa tactagtcct 240

gggttttggc t 251

<210> 1645
<211> 437
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro5710004e08b1

<400> 1645

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gcgcggccga caaccggttg tgggatcgcg cgaatcagtc gtcgccaagg gccgtataac 120

tagcggtacc gcaccgtgcc gcacgccatg gcaggtaata acccaccacc aaagccatgg 180

gaacgtgttg gcactttatc tggtccagcg ccttttaaac cctcatttgg aggcagcaca 240

agtgacgttt ttgaggcctt tgggaccata taatctgggt tagttgtttc tgttgcacag 300

agctgtgctg ctttcaacgt gaacatttca attgcagggc ctgtgtctct gtgttcttgt 360

gttcagcaag gtttctgaaa ttctttatgt gggttttggt tctcgatcct aaaattcata 420

tggaggattt ggtgggg 437

<210> 1646
<211> 67
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro5710004e09b1

<400> 1646

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gtaaata 67

<210> 1647
<211> 371
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro5710004e11b1

<400> 1647

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acggtaacag gaacaacaac aagaacatgt gcggctgagg ctacggcgcc ggagggcggt 120

gcaacaacag gcggaccgtg gaggcgctga gatgaaccga ctttgcttga cccgacctga 180

ccgatgatta gttgtagagc ggttaacctt gctttaattg cttatatgat ctgcgatccg 240

agccgatagc ttagctcctt gcttttcgat gagcgttgtt gtacatagag ttagcggttt 300

aatccgtgat gttttgatgg gtattaacat catgttttta tttgttggtt gatttaaatt 360

tctttttttct a 371

<210> 1648
<211> 380
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro5710004f04b1

<400> 1648

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ggttcgccca gtgagtgttg cctttgaggt gatcgacggt ttcaggcagt tcaagagcgg 180

agtttacact agcgaccatt gtggtactac acctgatgac gtgaaccacg ccgtcttggc 240

ggtcgggtac ggtgtggaga acggtgtccc gttttggctt attaagaact cgtggggcgc 300

ccactggggt gaaaatggtt actttaagat ggaaatgggc aagaacattg ttgctgttgc 360

tacctgcgcc ttctacccca 380

<210> 1649
<211> 177
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro5710004f10b1

<400> 1649

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cggcttgagc aagggagaga tggcggacac cggggaggag actgtgcaag cgtcgcacat 120

tctgatcaag cacgaggggt cctcgcacag ggcgtcctgg aaggacccga tgggccg 177

<210> 1650
<211> 312
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro5710004g02b1

<400> 1650

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tctgcttacc actacctatc atccgtgaca tttgggaccc ttgtattccc tatggtttta 120

tatatgtgct tggtgtcaat aattgattga tttggaacgg tgcaaactgt atgccagaaa 180

gcacgcctgg ctattattat tgtggatcgc atgatacttt taaaaataaa atataaatat 240

atatttttta attctataat atatttaatt ttatattttt tcaataaata gggggcggcc 300

gtttttaagg at 312

<210> 1651

<211> 184
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro5710004g05b1

<400> 1651

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gttttgtggt gtgaaccttt ttcgcgtgaa tgaataatgg tgctgcgtaa aatttcagat 120

ttgttttgct gtatagagtg gaggagcgcc tcctaggaag taagatgtgg tacgccgttt 180

ctcc 184

<210> 1652
<211> 273
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro5710004g09b1

<400> 1652

cgaaggcata cacgcccgta attgttgcct tgaaaaattt ttatttaccc gtcagacagg 60

acggggctga cctatggttc aggatcgaca gcaactccaa tgccatggtt tgagagcttg 120

tttcaagctg cgagactggt aatataatgt ccagtgtggg cattaacttg ttatttcgtg 180

ggaaatagtg aaacatgtgt gacgtgtttg tttgtttgcc attctcattg ttttactgaa 240

catacactct gtcttgtcta ctttagttta aca 273

<210> 1653
<211> 322
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro5710004g12b1

<400> 1653

agcattctac caccgaaccg aacgagtgaa gtgagagctg tgcacgaaaa ctttatcaga 60

aaccatgaag ggcaccaagc tcggggcgaa gctgatcctg caggccgtcc tggacatggg 120

actgctctta cacgtgaacg catatgttaa ccccaagtgc tgcaacaact gctggtacaa 180

ctgggggggcc gacgtgtgcg acgacgccca ccacaagtgt taccaggact gttctgaggg 240

ctgcgtggtg tgcactagcc cctaaaagag gcgctaagcg gatatgaaat ccaccgtgga 300

atgcacctgt ggcggaccct gc 322

<210> 1654
<211> 289
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro5710004h06b1

<400> 1654

ttgggaagaa cccggcaggc tcatctcttt ttttctcgaa aagactactg tgattatcgc 60

acctattaag taaccatgac gtgcagtgtg gggagttatc tccgtgtaaa tacgcagtgc 120

gatgagaacc gcatatggat agttcttgtt atggaccact atttggtgta tgtatactgt 180

tgtgtttgtg tatgagctca agaaagaact gttgaagcgt cttaaaaaaa aataagattt 240

atattttgtt taactaaatt tatacccttat atttttatca tgtttttttt 289

<210> 1655
<211> 321
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro5710004h09b1

<400> 1655

cccgtccttc tcaattcgat ctcttccacc aagccacttg agtacgcgac agaagccagt 60

gaatcagtga gcgacaggca gagagctcgg cctcgaccaa gaagaagaag aagaagaaag 120

aagcatggcg gcagctatgg cgggcgtggg tcgcaacatg gtggcgctgc tgctggtgct 180

gaacctcatc atgtacatta ttgtcatcgg ctttgccagt aggaactcta accacttcat 240

taacgggctc accaaccgtc ccggtgtcgg cggcaacggc gccacctttt actttcttgt 300

cttcgccatc ctcgccggtg t 321

<210> 1656
<211> 132
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro5710004h11b1

<400> 1656

gaccaccggc gatccgggac gtgagtatac tatagttcac tcagctcctc ttatgctgta 60

ggctgaccct gcatgctgtg tgtcgagtca actggttgta gaatcgccgc tgcgaggcca 120

actgtttttt tt 132

<210> 1657
<211> 458
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro5710007a02b1

<400> 1657

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catgttcata tctacaaggt cgagtcatgg tccgtgtgga agactaccat ccagagcaac 120

ctgaagtctc tcttcatatt acctggcagc caacacccca aagcaatggg aaggagcaat 180

tgacagaatg gaagagaacc cctcctggtg ctttgggaag cactaccgga gcgtcaaaca 240

gctggaaatt gtcggggcgt gcgaggacga gttcggggtg cccaacgacc tgcatcttcc 300

tgatctgcac cttctcccgc acaacctcag acggctgaaa attagttgtc ctaatctgct 360

gaatgatgaa aaccccatgc cattacttgg gagctggctg acgttcctga atgtgttgga 420

aatagggggtc aagtcataca ctggcgcgac catgacct 458

<210> 1658
<211> 379
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro5710007a04b1

<400> 1658

ggcactggcg cggaagcccg gggtcgtccc acgcgtgttc tctcccgcgc gcctgctaga 60

gcgcgagcgg gggctctaga agaaccaggc gtagctgcgc gcgcatgcaa caaagaaccg 120

gcttcgagag tggcacctaa acttcaaccc acctggggcg ccatgataca acgtggggga 180

ctggcaagac caaggaggta cccaactggc atcggtcctg aagcacatgt caccaaatcg 240

ccacgctggc gtaatgagcg aacgggggac cgaaccggaa cgccggttcc ccaaacagtg 300

gcgcagccct gaatgggaaa atggaaacac gccagggtaa caggcgcaat taagccgccg 360

gagggtgtac aagggttac 379

<210> 1659
<211> 222
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro5710007a06b1

<400> 1659

cttctagcgg accttcgata gggtgcggcc ggattcatta agcatccgga gctgcgggct 60

accttgagag ttacgaccga acactggcga tcgcatggcg cttcgggggg tggagatttc 120

tgtggagaac ctgcggactg aaagatgggc agagtagatg ctttcgattg ctgggggggac 180

aacagagccg ggaaagccca ttgaacggga caaaagaagg gg 222

<210> 1660
<211> 447
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro5710007b02b1

<400> 1660

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ctcaccaaga aggctggaat cgttggcaaa tatggtacaa ggtacggtgc cagtctgcgt 120

aagcagatca agaagatgga ggtctcccag cactccaagt acttctgtga gttctgtggc 180

aagtttgccg tgaagaggaa agcagtcgga atctggggat gcaaggactg cgggaaggtt 240

aaggccggtg gtgcctatac catgaacacc gccagtgcgg tcactgtcag gagcacgatc 300

cgtcgtctga gggagcagac tgaagcttga tcgcggtcaa tctgacaaag gagcctctgg 360

attttgtagt tcagacgaga ctcattcgac gcaatatagc ctaaattgac aacatacaat 420

gttatttatc ggcttgttgg ggttctg 447

<210> 1661
<211> 443
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro5710007b05b1

<400> 1661

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cgggcagatg gagttcttct atgaccaggc gccagacgcc atgcggagcg tctgctcggg 120

gctctccagc gcggcgtttg cgctgggcaa ctacgcgagc tcggcgctcg tggccgtcgt 180

ggtgcgcgtg acgactaggg gcgggcggcc cgggtggatc cccgacgaca tcaacgacgg 240

acaccttgac tacttcttct ggctgctcgc catgctctgc accggcaact tcgttgcgta 300

cctgctcgtc gcacggtggt atacctacaa gaagaccgct gactaaacct ggcgatcact 360

gtgccgtatg tgctagggta cttctttgat gcaaaaacgt gtaattggga aagcttcctg 420

tgttgcggca aatccttgag gaa 443

<210> 1662
<211> 403
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro5710007b07b1

<400> 1662

gtcttttgaa gggctgcacg gtggagccgg tagcttgatc aagtggaacc ctgtggctaa 60

tgtcgatggc aaggatatct ggaccttcct caggaccatg gatgtccctg tgaacaccct 120

gcatgctcaa ggctacgtct ccattgggtg cgagccgtgc accaggcccg tgttgccggg 180

gcagcacgag agggaaggga ggtggtgggg gaggacgcca cggccaagga gtgcggcctc 240

cacaagggta acatcgacag ggaagatcag gcacccaagg tcggcgttaa cggcaatggc 300

tcggccgagg cccgcgcccc agacatcttc cagagccagg ccatcgtcaa ccttacccgt 360

cccgggatcg agaacctcct gcggcttgag aaccgcgccg agc 403

<210> 1663
<211> 465
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro5710007b08b1

<400> 1663

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ctccgtggtg gtatgcagat cttcgtcaag accctcacag gcaagaccat caccctggag 120

gttgagtcct cggacaccat cgacaacgtc aaggccaaga tccaggacaa ggagggcatt 180

cccccggacc agcagcgtct tatcttcgcc ggcaagcagc ttgaggatgg ccgcaccctt 240

gcggattaca acatccagaa ggaatccacc ctccaccttg tcctccgcct tcgtggtggc 300

atgcaaatct ttgtcaagac cctcaccggc aaaaccatca ccctggaggt tgagtcctca 360

gacaccattg acaatgtgaa ggccaagatc caggacaagg agggcatccc cccggaccag 420

cagcgcctga tctttgccgg caagcagctc gaggatggcc gcacc 465

<210> 1664
<211> 432
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro5710007c03b1

<400> 1664

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agtatgaagt cgtcaggaaa tgaagggcat gatgttccaa caattgagac tgccgttgag 120

acgcgaccag tttgctctct gtgccaggat tcggattcca aaagtcgact ctgctgtttg 180

attcgtcttc aggctgccat ggaaactatg atggcagaga ctgttgaaga tggtcagacc 240

ccaagttcaa ttgcagagct cgcttccaag gtactctccc atgtcagttc cacaagctcg 300

ctggagtcgc cggctgttca agttcttgag gataaactcg aggcagaaag acggggtgca 360

gctgcgctcc gggaagaaaa tagcgccctg aagaagcgag cagaaaaagc tgatgtggtc 420

atcgcgaaac cc 432

<210> 1665
<211> 390
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro5710007c04b1

<400> 1665

tcgtttttgc caagctgcaa tcatggcaaa aatgggagct gatcaatcaa aacctgctga 60

ttgtatgaag tcgtcaggaa atgaagggca tgatgttcca acaattgaga ctgccgttga 120

gacgcgacca gtttgctctc tgtgccagga ttcggattac aaaagtcgac tctgctgttt 180

gattcgtctt caggctgcca tggaaactat gatggcagag actgttgaag atggtcagac 240

cccaagttca attgcagagc tcgcttccaa ggtactctcc catgttagtt ccacaagctc 300

gctggagtcg accgctgttc aagttcttga ggattaactt gaggcataaa gacggtgtgc 360

agatgcgctc cgggaagaaa ttagcgccct 390

<210> 1666
<211> 398
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro5710007c09b1

<400> 1666

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ttgcagagaa ggggctggga tgcatcatac tgcaaaaggg gtgggttaca gtgtacaaat 120

atcggggaag aggctgtaaa tctatttgac atgttcaaag atctatcggt tttaaatgtg 180

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attggcgatg tagctcaaga gggtaatgtt ctcatctcac caatggaaat tcaggcatac 300

aagttagacc tacagccacc atcatcacca gaagaatagt atgtcgaaac tgtacgtttg 360

ggccgctttg ccactaattg gagaaaggat ctacttgg 398

<210> 1667
<211> 394
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro5710007c12b1

<400> 1667

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ggacgatgag gaggaatacc acaagttcaa gtcggtgatc aatgatgacg atgacgatga 120

gggttgcgac caggacgagg accacgacca gtgaagcgga caatgcggga gctgctgtgc 180

gagaagcgac ctgagctgtg tgcggtggtg tcataaggag cctatccatg tgcactagaa 240

ttataccaag cttcacttga catcgcgatg taacattacc ttatttttg tgattgaccg 300

gctataaccg atagcgctcc ctgtaggcgc cgctgccggc ggggtgccct tgtgttggag 360

ggtgtatgct cccagcgcct ggggggccct gctt 394

<210> 1668
<211> 61
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro5710007d01b1

<400> 1668

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t 61

<210> 1669
<211> 441
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro5710007d06b1

<400> 1669

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tgttggtgag tgcttgcgcc gagaatatag aatggtttgc catgtgatgc gcggtgactt 120

cagcagagac ttctttgagg gatgcagggc gatacttgta gataaagatc gaaacccaaa 180

gtggatgccg ccaactctgg ataaagtgca tgacggggta gttgcaaaat atttctccaa 240

ggtcgacgat ccacagtggg aagatttgaa cctgccaact agaccttccc atggaagaag 300

aattgttccc aagctctgat ggaagtctca ggctggtcat agtgaggagt aacttatatt 360

agtgtcatgc atataatact agcctaagtt actaccttca tagtgcaaaa aacatagtag 420

tagtgtcatg gaggacttta t 441

<210> 1670
<211> 78
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro5710007d10b1

<400> 1670

ttggcgcgtg ggaaaaaaaa aaaatagggg ggggtttttt aaaaaaagaa gcacttttc 60

aaaaaaaaaa aaataggg 78

<210> 1671
<211> 116
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro5710007e01b1

<400> 1671

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ctgaaccgcc atatgggcat ggcggagcct aacgaaggac tggaactgct tgtgga 116

<210> 1672
<211> 473
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro5710007e02b1

<400> 1672

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gtggtggtgc tggcatcggc ggcggcagag ggaagctgga gaacgagggc aacggcttct 120

acgacatgcc gtattaccac aaggtcgggg agagctccca catgtcggtg gacagcgcgg 180

acaacatgaa ctcgatgaac tacgtcggcg gctcggtcgc catgtcggtg gacaacagca 240

gcgtggcctc caacgagtcc cgcaccgtca tgctcaacca cccgggcctc cgtgatgttc 300

ccacaccaaa ctattcggtt tgcaacagcg tcatctatcc caacaaggct gccgcgtctg 360

tcctcaagga ggatgctttg gctcgggttt tgatggaccc aactcatcca acggagatac 420

tcactaacta cgaggcgtgg accattgatc cggggaagct ggacatgggg gct 473

<210> 1673
<211> 400
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro5710007e03b1

<400> 1673

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ctggcgctac ctaaggaagg gccgctacac gcagagagta cgttcctgcg cccccgtcta 180

cctgggcacc gcactggagt acctcgctgc cacggtcctg gagcttgccg gcaactctgc 240

caaggacaac acgaagaccc gaatcatccc tagccacctg ctgttcgccg gacgcaacga 300

ccaggagctc agcaagctgc tcgccggcgt caccatcggc cacagcggcg tgatccccaa 360

catcaacttc cggctgctcc cttagaagtc ccccgccgcc 400

<210> 1674
<211> 307
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro5710007e04b1

<400> 1674

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ccattctcat tgtttctatg tagaggacgc tacgaccaaa gagcaactta ctgccccact 180

tcgttcgttg gaacaacaac tgagccctga tgtgaccctg acggggacca aagaagaact 240

ggtgctacgg gcagcacaac tgcaagagga acttgttgcc acgaggtctt agcatgacaa 300

ctcgacc 307

<210> 1675
<211> 434
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro5710007f02b1

<400> 1675

gtttcgctgt tcgtgatgct ggcccgggag cccatggtgc ctttcatgga ccggccattc 60

atgaccagca tcgtgttcgc gcacgacaag gagggcacct ctgtgctctt caaggtgctc 120

tccgccttcg ccttccgtga catcagcctc accaagatcg agagccggcc gcaccggccc 180

atccgccttg ccgacgatgc cgacagcggc accgccccga agcagttcga gtacatgttc 240

tacgtggact tccaggcctc cctggccgac ccgcgcgtgc agaatgcact tgctgaggtc 300

caggagttca cgttattctt gcgggtgctc gggagctacc ccatggacat gacacctatg 360

gctgccggcg ttgcctcact cgattccttg tcggcttatt cgtcttcttt gattggattt 420

gatagagtta atta 434

<210> 1676
<211> 484
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro5710007f03b1

<400> 1676

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ataataaatg ccttggtgtg ctgtcagggc acacttttag tgtgtagtct ctgacatgcc 120

attgggggggg gcctgttctg gggatccagg gttcctgcgc cgggtttgct gcgctttggg 180

ttttttttttg ggacccctaa ttcaaatttg ggggcggtgt tttcacaact gctgggccgg 240

gaaaaccccg ggggtcccca agcttttctt cttgtggaga tttccctttt catccaggtg 300

ctgttttgac aataaggccc tctcttttgg cctttctaat gggtggtgca tcctgtgggg 360

gtattgggag ccccctgttc agggcatttt attcggggtg gtggagttgg ttcccccccag 420

gggaaccctt tctttttcca ttcccgtagc cccccggttt tttggatttt tttccttttt 480

tttt 484

<210> 1677
<211> 343
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro5710007f04b1

<400> 1677

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tgtctatggc ctgccccagt tgaggccgct ttcccaacct accggcataa accctggccc 120

cttattaggg ggcggccctc ttgggggtcc caactttcct aacgctgccc tgcaagccca 180

tctcccttct ttggggcccc caaagtccac ttcacggccc gctttctacc accgttggac 240

cggggaaacc ccgggggccc ccccccctaat tggcctggga tcacaccccc ctttaccctg 300

ggggctttta atgtaaaggg ccccccccccg atggccttcc cca 343

<210> 1678
<211> 164
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro5710007f07b1

<400> 1678

tttgttacgc gtccgaccac gcgtccgctc tagggggaat gttcccacac tggctctact 60

tacaaaaaaa aaaaaaaaaa aaaaaaaaac aaataaaaaa aaaaaaagaa agaaaaaaaa 120

aaaaaaaaaa tacaaaaaaa aaaaaaaaat acaacaaagg gaga 164

<210> 1679
<211> 481
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro5710007f09b1

<400> 1679

tttctaatta ctgactgcat caggcgacca atctgtaaag atatggagca tggtgaataa 60

gaaatgcctt ggtgtgctgt cagggcacac tagaagtgtg aagtcactga catgccattc 120

ttcaaatcct gatcttatta tttctggttc aagagacggt tcttttgcac tttgggatct 180

aagatgtgac ccccaaaccc caaatggtca tggtgaagca tgactcatgt gtcgaattgt 240

tgatggaggc ttcaggccgt ccttctcaag gagatgaggc tggccattaa ggatctgggg 300

tgaaggtcat gttatctctt ctcgtggctc tactgcccac tgcttccact gctgatattt 360

tgagctcttt gatcagagca tgcaccatgg gaagatgaaa ttggagcaaa ccaagccaac 420

ataatctatg tccctttagg aggcgagtgg atgcccgaaa gatgttgggg gcgtgaactg 480

t 481

<210> 1680
<211> 261
<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsro5710007f11b1

<400> 1680

gtgttttccg gaatgacgtc gcgggagaga ggaagaagat aatgtgtgga gcacgctgtt 60

gctacctgcc cacgctatga gcagtgtgaa taaccaggag catgcatgcc gtgcctgggt 120

ccgggtgcac cggaggctgg catgtgagca ggggtgcaac agtgaggcag acgaaaaaag 180

gctggtgtta aagggaaggg aaggttacgc ctttcttgca actaaagaag aacccatgta 240

aacctgtgta tggaggaagg g 261

<210> 1681
<211> 376
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro5710007g03b1

<400> 1681

tttctcgtgg gcggacgcgt gggcggacgc gtgggatcta tgtattactg ctggggcttt 60

agtccttcgc ttccagcggc ggctcaagac ggctgagaga gtgatgggaa ccgtgaagcg 120

gttcaacttc accaaggggt tcggattcat cttcgcggag gacggcagcc aggacctctt 180

cgtccaccag gactccatca aggccgacgg ctaccggagt ctcaacgaga acgacgttct 240

cgagtttgag gtcataaccg gcgacgacgg ccgaaccaag gtcttcgacg tcaccgcacc 300

aggaggggggc gcgctcgccg ggggatcccg ccctggccac cgctgaggtg accgcggggg 360

tatccgctgg ggtggc 376

<210> 1682
<211> 78
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro5710007g04b1

<400> 1682

ccaccgggac gccggggcgg gcgggggggga tttattaatc accgctgggg ctgctgcccg 60

ccgacgccga ggacggcg 78

<210> 1683
<211> 263
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro5710007h01b1

<400> 1683

aaaacggttg ttattcaccg agtcctactg gtcgggggg gaggtttttg aaatgccatc 60

aggggatttc tcccataacg gcgataactt tggaagccaa caaaacgcgg tatcatgggc 120

cgggttcaac attggctgaa gatgcccggt tggacgagta ccgaagcacc ttgcgtggga 180

ctagtcatat tgggggaaga actgaacctt gaggtaaggc tgggtgctgc cagagaggat 240

ctaagccttc gtctagccaa tct 263

<210> 1684
<211> 360
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro5710007h02b1

<400> 1684

tcccatgcga tttgttaatg acacaccctg catttgaagc tgcgcgcctt gttcggaagc 60

cgggggcccc ttgctacggc tgagacatag gccaggggag aatcaacagt tcttactcct 120

tggtttgcac ctgtgtgctg ccccgtggct tcaaaccctg ccatgataag cagttaagca 180

cacaacttgc tgaacgaaat gacaaggaac tactgttgtt ggtgtcaaaa caatgatata 240

attgggaatg tgagatcacg gacatcggtc agagaaaccc ctgcactgta agctgcatgc 300

actcgtaccg tcgtacataa cctgtgatgg tgtgagagta tacgtgaata acgggggggt 360

<210> 1685
<211> 354
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro5710007h03b1

<400> 1685

gttcttcaca ccatcttaat taccctgaca gagatggttt tgtcttgtgt tagtgaagct 60

cgctcggcta gaaaaaacat ggcggcttcc cgtgcctcgg ctgcactgct tgctgtggcg 120

gtactcatgg tctgctctcc ggcgcctcct gttctggcca ctgacccgac ccagctccag 180

gacttctgcg ttgctgatat aatgaaccct gtgattgtga atgggctcgc gtgcaagaac 240

atgaatatgg ttacggctaa cgacttcttc ttgcccgggc ttaacaagcc tggcatgttg 300

cacgctcacg gctccgcggt gacacccgac actgcgcggc agctgccggg gctg 354

<210> 1686
<211> 426
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro5710007h08b1

<400> 1686

tttctaagct catcttcttc tccttgaaat cttttggggt tcatcagatt tggaggatgt 60

cttgcaactg tggatccggt tgcagctgcg gctcacactg caagtgcggg aaggtgtacc 120

ctgatctgac ggagcagggc agtgccgccg cccaggtcgc cgccgtggtc gtcctcggcg 180

tggcgcctga gaacaaggca ggtcagttcg aggtggccgc cggccagtcc ggcgagggct 240

gcagctgcgg cgacaactgc aagtgcaacc cctgcaactg ttaagctgca tgcactcgta 300

ccgtcgtacg tacgtgtgat ggtgtgagag tatacgtgaa ttaccagcgt ctgatctgat 360

ggagtcgagc aagggtgcgt gtgcatgtgc ctgtggttta ccttgcttcg tctcccctat 420

gctctg 426

<210> 1687
<211> 222
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro5710007h11b1

<400> 1687

gtctttacca cccagagcag agccgcggca ggggggagtg tacacagcga cgggggtcct 60

tttcgccagc gcgctggtgg cgatcccgag ctcaatggcg ctgatggacc ggctgcggct 120

gggccggctg tcggcgggcc cgcgcacgag gacggaggag ggcaacctgc ggcagatcaa 180

gccggggcgg caccgcaact tccaggagtg ggcgaagcgg ac 222

<210> 1688
<211> 334
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro5710017a02b1

<400> 1688

tgcgggatac ccgaaacacg ggatttcttt cgagggtccg gagcgagagc tcaccgggac 60

ctagacagca ccgaacttgc ttggggcgag gcctgacgag ttggggcacg gacatgagag 120

acagtcatgg gccctttgac ccaggagtcc actgtgttaa aagtgaacac tagagacaaa 180

ctggaacaac agcttaacgc ttagctgggg gaacaactga acatttatag ggagactggc 240

cgggaccaaa gataaactga aaatacgagc ggcagaaaca aaagaggagc tcgaagacac 300

acagactaag aacggtaaca accgaggtgg taca 334

<210> 1689
<211> 151
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro5710017a05b1

<400> 1689

ggtccggcct ttgcgggtgg ccctaaacgc gggttggttt ccggcgcccc gacgcgtgag 60

ttcaccagga tacatgcaga aaccgatgcc gctgatgaaa cagccgcgca gagtaagtgg 120

ccaacaacac ggcacaggag gacctgagag c 151

<210> 1690
<211> 52
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro5710017a07b1

<400> 1690

gagtcctttt aatattaccc ccgcgtcgct ggcgttccgg gatgggcttt tt 52

<210> 1691
<211> 485
<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsro5710017d02b1

<400> 1691

gatggatttc tatgaaagga tgggtgatac attagctatc cagtacggtg gttctgctgc 60

tcacaacaag atcttctgtg agcaaagagg gcagtggaag gcagcaaccc aatcccagga 120

gttccttcga acccttcaac gttactacaa taatgcttac acagatcctg agaagcagga 180

tgctataaat gtattcttgg gtcatttcca gcctcaacaa ggcaaacctc ctctgtggaa 240

gttggactca gatcagcatt acaatatcgg ccggcaagga actttaagtg aagaaactgg 300

aagatatggc cgtgtgggaa taagcgagtg gtgcatgtac cacttaagtg gggcactagt 360

gactgcatgg tgcctacatg tgatgtgtgc ttgtgggaat atttctataa gcatgtaatg 420

gttcgtctgt gttaacgtga acacacgtct ccgtgtgatt tctattgtca aaacacctac 480

atttc 485

<210> 1692
<211> 402
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro5710017d05b1

<400> 1692

cccgctggat gcggacgccc agcgcgaagg caacaacgcc tctgcccgat acccgaaaaa 60

caggtttact tccggcgacc cggcgcgagc agccaccatg agtcagacag caccgccgaa 120

gccgctggca gaccccgagg agcccgcgac cgaacaacag gcgaaaccat ggcacctacg 180

gggccactgc acactccgcg gaggagccca acgacgaaag atgaacagaa tggcccgcca 240

ccgccccgca gggagaacac accgacaccg cgacgaaagc ccagacgggg aacgaaagaa 300

gaaccggcgc ctccgagagg cagacctgaa agaggagccc gacgacacga ggcccaagct 360

cggcactggc cgccgaccaa caacgccggg actgggaaaa ac 402

<210> 1693
<211> 60
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro5710017e09b1

<400> 1693

ttgtttttct tgtgcatagc ggttctacag ggggggatgt ttttttagc acccatcctt 60

<210> 1694
<211> 264
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro5710017h10b1

<400> 1694

gggcgaggca taacgcctct gcccgtaccc gaaaaaatgg tttccaccgg cgcccggccc 60

gcgaggggggg atgattagac acaccgctgc tgccccggct gaccctgcga gatcgagtcc 120

gcccaactgg cgaatcacgg ccctccgggg ccactgttcc tctgcggagg agtccatgac 180

taaagaagaa ctcgattgac agtctccgat cgctgggaga acaactgaac cgcgatgtca 240

cctcagacag gtacgaaaga agaa 264

<210> 1695
<211> 68
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro5710018a05b1

<400> 1695

cgggacgggc ggggtagagg cacctaacgc gcggcaaccg gccggcggac cacaacggcg 60

cgcgcgac 68

<210> 1696
<211> 218
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsro5710018a06b1

<400> 1696

gtgcttccag cgngaatgac cgaggccagc ggggggggcct tatgcaagaa gacctacagg 60

acagcacatc tgatggaaga gtgaaacaac ccgacccccg agcagaacca aggccctcag 120

agacaaaaga aaccctggag aagccagcag aacaaaaaac aaacaaacca ggggcggccg 180

acccagggaa cacaagctcc acacccacgg gcaaccga 218

<210> 1697
<211> 361
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro5710018b01b1

<400> 1697

tgtctgttgg atgcttgctt ctaagttgaa ttctaagcga cagggaagag atttggtgca 60

gctgctatgt gctccatatt ggaaattggg attggcttgt tgattaatag tagtactact 120

tcttagagga gattacaaga actccttacc gtcatgtttg tatgttcaga tgattggtgt 180

acctttcgc attaaaaaag atgtttgttg taatgcctaa aaaaaaaata aaaaaaaaaa 240

aaaaaaaaaa aagaaaaaaa aaaaaaaaaa aggcaaaaaa aaaaggaaac aaataaaata 300

aaataaacac aaaaaaaaaa aaaaaataaa agggggggggg ccttttttagg ggtcccaagt 360

t 361

<210> 1698
<211> 219
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro5710018b02b1

<400> 1698

gtctttcgta tgctcgcttc taagacgaat tctaagcgac agggaagaga tttggcgcta 60

ctgctatgtg ctccatattg gaaattgcga ctggctcgcc gattaatagt actactactt 120

cctagaggag actacaagaa ctccttaccg tcatgtatgt atgactcaga ccattggtgc 180

tcctttccgc attaaaaaag atgtctgtcg tattgccct 219

<210> 1699
<211> 405
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro5710018c06b1

<400> 1699

ttctttctcg cgaaaatgtc gactgaagtg gctgccgctg acatcccggt gcctcaggtg 60

gaggtagccg ccgacgccgc cgttgacaca ccggcggcga agccggccaa ggcggccaag 120

gtggccaagg ccaagaagtc cactggcccg aagaagcccc gcgtcacccc ggcccacccg 180

tcctacgccg agatggtgtc ggaggcgatc gccgccctga aggagaggag cgggtcgagc 240

accatcgcga tcggcaagtt catcgaggat aagcacaagg cgcaccttcc ggccaacttc 300

cgcaagatcc tgctgaccca gatcaagaag ctcgtcgccg ccggcaagct gaccaaggtc 360

aagggctcct acaagctcgc caaggccccc gccgacgtca agccc 405

<210> 1700
<211> 489
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro5710018d05b1

<400> 1700

ttctttctcg cgaaaatgtc gactgaagtg gctgccgctg acatcccggt gcctcaggtg 60

gaggtagccg ccgacgccgc cgttgacaca ccggcggcga agccggccaa ggcggccaag 120

gtggccaagg ccaagaagtc cactggcccg aagaagcccc gcgtcacccc ggcccacccg 180

tcctacgccg agatggtgtc ggaggcgatc gccgccctga aggagaggag cgggtcgagc 240

accatcgcga tcggcaagtt catcgaggat aagcacaagg cgcacctccc ggccaacttc 300

cgcaagatcc tgctgaccca gatcaagaag ctcgtcgccg ccggcaagct gaccaaggtc 360

aagggctcct acaagctcgc caaggccccc gccgccgtca agcccaagac ggcgaccaag 420

aagaagcccg ccgccaagcc caaggccagg cgccagccaa gaagacggcc gccaagtccc 480

ccgccaaga 489

<210> 1701
<211> 388
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro5710018f01b1

<400> 1701

tttctttcgt ccgcacaaac ccaagcacat cagtagatcg gcatggcgca cttccaggag 60

gtggactact gctcggagga ggtgagggcg gcgggctacc cggtccgccg cggctgcggc 120

ggcgtgcagg agcacatcgt caaggagacg ttcgtgcagg agttcgacac cgccggccgc 180

cgccatggtc accacggccg tggctccggc cacttcgagg tgcgcgagag taggctggag 240

gaggacatca acacccgcac cggcgagttc cacgagcgca aggagaactt cgtcgtcagg 300

gccgatgact aagcttacac gttacggagc acactacgat gtgtgtatat gtcggcatca 360

tatatatgta tgtgtgatgt tgcgcaca 388

<210> 1702
<211> 512
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsro5710018f05b1

<400> 1702

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gcttcagaca ggataggcac ttggacagga acatggatgg ggacaaccct gattttcagt 120

tccttcaact ttatttgttc ttcctctaaa gatgtatgct aaaattaaaa ttccttttc 180

tccaagatag agacacataa attgccataa gagaagtcca gagaccggca acttttgttt 240

gcactgttca acttcagaca ggattctcaa cggagactgc gccaattttt ctttcctaag 300

gcttcgttcg tttaatccca cccccgccag gatcgagggg gtatttgtcc cgaaccccgn 360

tgggttttac cctcgcaggg gtttggatcc ccgcttagct tatatgcata ttcggttaaa 420

cccggacggg tttatttttcc atccaaaacc ccctcaaacg cagggattca ccgggttttg 480

ggccacgtct tcctccgcgt ggaaaaaaac ca 512

<210> 1703
<211> 467
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsro5710018g03b1

<400> 1703

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gacaccttct gaacatcgga gtttttttcg gaaaggaagt tgaaacctca gcctctgcat 120

cattctgaac attggagtta acggagctgg ctttgcatgg cttttcctat gtgccaatcc 180

agtcttgtga tatagatgtg ccatctctct ctgcatgaca agttctcagg tactcttctg 240

ctgatgaant tcctccacac ctgcagtgac aagaaaacgc tgaagaagtg gttcttcatc 300

gacaagacag tgggctaaga aaatccagct gaaagagaga cgaccgccgt accgagcaca 360

ctttttcttc gtccgacccg atggatttga gcaacggctc accggtcatc agtgatccga 420

tggcaatgag ccagtcgttg atgggagtgc tgccttccaa catgatg 467

<210> 1704
<211> 361
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro5710020a01b1

<400> 1704

ccacgaccca gaacagaagg gcaccgtgaa ttttacagaa acggtgcgct ttgttacccg 60

acgatcaaaa ggacaacccc gaccaccaaa aataatcaaa gaccttccgc gacatagacg 120

atccactgag aaccgcacaa ctaaagacga acaacaaggt cggacacgct gagatgaact 180

aacaactaat cccggatgtt ataccacacg gggacaaaag aaaaactggc gctccccacg 240

gaaaaccgga aagaggacat tgaagacacg acgactaaac tatgaactaa gacgcctgga 300

ccaatcgccc tacccaaaaa acgcccccac ctacaaacta aagggacgcg cccaataacc 360

g 361

<210> 1705
<211> 340
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro5710020a03b1

<400> 1705

ccctgaagag aacggggccg aacaaccggc gaaaacaagg ccctccgggg ccaaagaggc 60

cccgaggagg agaccacgac gaaagaagaa ccgaaagccc ccctccgctc gctgggagaa 120

caacagaacc gagatgtcaa ccagacgggg accaaagaaa aactggcgct ccccgaggca 180

gaaccgaaag aggaacctga agacacgagg cctaagctag gcacagaacc gacccataac 240

aaccacccga cagggaaaac cctggcggaa cccaactaaa aacccatgca gaaccaaccc 300

cctatcaaca gcgggccaaa aaacaaaaag gcccagaccg 340

<210> 1706
<211> 190
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro5710020a06b1

<400> 1706

acaacacaaa cccacaaaca acaccaccaa acaaaaccca ccccaaaaca caaaaaccaa 60

aacacccccc cacaccaaac acccaaaaca acaaccaaca caaccaaaca acacccaacc 120

cacaaccaaa aaaacacacc aacaaccaaa aaaaccaaca acaacacccc cccaaaaaac 180

acccaaaacc 190

<210> 1707
<211> 359
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro5710020a07b1

<400> 1707

caccctgaaa agcacaaccc ccaacaaccc cccaaaccaa ggacccccg ggccaaaggg 60

cacacccagc caggacccca caaccaaaga agaacaaaaa gcccgccacc gcccacaagg 120

agaacaacca aaccccgaac caaaacccca ccaggaccaa aaaaaaaacc ggcccccccc 180

gagacaaaac agaaacacaa ccccgaaaac acaaggccaa acccagacac ccgcccgccc 240

aaaacaaaca cccaaaccca aaaaccccca cgaaacccaa ccaaaacgcc caaaaaaaca 300

acccccccaa gccaaccgac cgaaaaacaa aaaacccccc caccaaacac ccaccaaac 359

<210> 1708
<211> 523
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro5710020a11b1

<400> 1708

ccccggaggg accggtccga tttccctttg gttcacgcgt ccggatccgt cggtcgatcc 60

agaggagatg ggctcgttgg agattacagc cacggaggtg gcggcgctgc tggatctgaa 120

gccgcacccg gagggcggct tctacgccga gaccttccgc gactcctccg tctccctcag 180

caccgcccag ctcccgccgc agtacaaggt cggtcgtgct gtgagcactg ctatctattt 240

cttgcttcct tcagggagtg tttcacatct gcatcgtatt ccttgcgctg aaacctggca 300

tttctacaag ggagagcctc tcacggtatt tgagctacac gacgatggcc acattgacct 360

caccgtaatt ggtccgcacc tagatgctgg gcagcgcccc cagtacaccg tgccaccaaa 420

tgtgtggttt ggatctttcc ctacgttgga tgttgagtcg tttgcatccc atggcagcca 480

tcttgtgaac tctcggaagc gagaccccga gagcactact ccc 523

<210> 1709
<211> 517
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro5710020b01b1

<400> 1709

aaaaccaaac aaacccacaa aaaaaaaaaa acaacaaaaa acacccaaaa aaaacaaaga 60

aaaaagaaaa caaacaaaca acaaaacaaa aaaaaaaaac aaaacacagc caaacacaaa 120

aaaaagaaca caaaaaacaa caaccccaag aaaacaaaaa acacaaccca acaaacaaaa 180

aaaaaagaaa aaaacaaaac accacaaaac gacaaaaaaa caaaaaaaca aagaaccaca 240

acaacacaaa caacaaaaca aaaaaccaca agaaaacaac acacagacac aacaaaaaaa 300

aaacaacgcc aaaacgagaa aaaaaacacc cagcagaaca aacaccaaca aaaacacaca 360

acaaaacaaa acaacaaaac aaacaaaaca aatacaacac aacgagacac aaaagcacaa 420

ataaaagcac accaaacaac aacaaaccca aacaaaaaac aaaacacaac aaaacaaaaa 480

aaaaccgaac aagaccaaca agaaaaacca gcaaaaa 517

<210> 1710
<211> 283

<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro5710020b04b1

<400> 1710

acccagagga ggaagggagc aaacaaacgg ggaaaacaag gcccgaagga gccaaagggg 60

aatgaggagg agaaaaagac gaaagaggaa cagaaggccc ggccacgaga gaagggagaa 120

caacagaacc gagacgacag ccagaagggg acgaaagaag aaccgggagc cccgggggga 180

agagcagaaa gaggaggcgg aaaacacgag gcccaagaca ggaacagaac ggccacaaaa 240

acaaagggaa agggaaaacc ccgaaggaaa caaaaaagaa aag 283

<210> 1711
<211> 404
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsro5710020b06b1

<400> 1711

cacccngagg aggacgggga cgaacaaccg gcgaaaacaa ggccccccgg ggccaaagac 60

acacagagga ggagaccacg accaaagagg aacggaaagc ccggccccgc acgcggggag 120

aacaacagaa ccgagaaggc agcccgacgg ggacgaaaga aaaaccgagc gcccgggcgg 180

cagagcggaa agaggagaac gacgacacga ggccaaaaca cggcaccgag ccgccacaaa 240

aaacagccgg gacggggaaa aaccagccga gacccaacaa aaaagccacg caacacaaac 300

cccaccccaa gcaggggaa aagccaaaaa ggccgaaccc gagcggcccc acaaacaggg 360

gcgcaacccg aaaggagaaa gggcccagga gggggaaaca aacc 404

<210> 1712
<211> 376
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro5710020b09b1

<400> 1712

aaaaaaaaaa aaaccaacaa aaaaaaaaaa aaaaacaaaa caaaaaaaac aacccacaaa 60

agaaaaaaac aaaaaaccaa aaaaaacaca caaaaaaaaa aaacaagaaa acacaaaaac 120

aaaaaaaaca acaaaaaaca aaaaaaaagc aaaccaccaa aaaacaaaca aaacaacaaa 180

caaaaaaaca acaaaaaaaa ccaaaaaaac aaaacaaaaa aaccaaaaaa acaaaaaaac 240

aaaaaacaaa aaaaaaaaaa aaaaccaaaa aaaaaaaaca aacaaaagaa aaacacaaaa 300

aaaaaacaca aaaaaaaaca acaacaaaaa accaaaaaaa acagcccaaa aaaaaacaaa 360

aaacaaaaaa aacaaa 376

<210> 1713
<211> 269
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro5710020b11b1

<400> 1713

acagaggagg agcaccacga cgaaggaaca acagaaagcc cggacacgga gagacgaacg 60

aacaaaagag cggggacgtg agccagacgg ggacaacaga aaaccgggcg ccccgcgagg 120

caaaggagaa agaggagaat gaggacacga cggccaaagg aggaacaaga cgagccggga 180

acaaaagacc gaaccggaaa acgcagcgac gacccaacgg aagcgacgcg cggggcaacc 240

cccgagcaaa agcgggcgga aaggcgaag 269

<210> 1714
<211> 371
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro5710020c07b1

<400> 1714

aacgctgctg ctcgagatcc gaaaaccggg gctccacccc cgaaccggcg cgagagaaca 60

gtgtgacttt taaaggaccg ggccggctgt cccccgaccc agaggagggc gaggccgaac 120

aaccggcgaa aacagggccc tacggggcca aaggaacccc ggggaggaga ccacgacgaa 180

agaagaactg aatgcccgcc tccgctcgcc gggggaacaa ctgaaccggg aggacagcca 240

gacggggaca aaagaagaac cggcgccccc cgcggcagag ctgaaagaag agccggagga 300

cacgaggccc aaaccaggga ctggccgaag aatgacaacg acgtgaccgg caaaaccccg 360

ggggaaccca a 371

<210> 1715
<211> 400
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsro5710020c08b1

<400> 1715

aaaaaaaaaa aaaaacccca caaaaagaaa aaaagaaaaa aacaaaaaaa acaaaaaaaa 60

aaaaaaaaaa aaaacaaaaa aaaacaaaga aaaacaaaaa aaagacaaaa acaaaaaaaa 120

aaaacaccaa acacaaaaca acaaaagaaa aacaaacaaa caaaacgaaa aaaaaaagaa 180

acaaaagaga aacaagaaac aaaaaaagac aaaacacaaa aaaaaaaaaa acaaaccaaa 240

accaaaagac aaaaaacaaa aaacaaaaaa aagaaaaaga gaaaacaaac aacaaacaga 300

aagaaaaaca aacaaacaaa aacnaaaaaa aacaaaaaca gaacaaaaac aaaaaagaca 360

acagagagac caaacaaaaa acaccaagaa aaacaccaaa 400

<210> 1716
<211> 464
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsro5710020d01b1

<400> 1716

aaaanaaaaa aaaaaaaagt gttnaattaa aagaaaaagc cctttaaaaa cccaaaaaaa 60

aaaaaaaaaa aaaaaacccc caaaaaaaaa aaaaaaaaaa aaaacaaaaa aaaaaaaaaa 120

aaaaaaacaa aaaaaaacaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 180

aaaaaaaaaa aaaaaaaaac aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 240

aaaaaacaaa aaaaaaaaaa aaaaaaaaaa aaaaccaaca aaaaaaaaaa aaaaaaaaaa 300

aaaaaaaaaa aaaaaaaaac aaaaaaaaaa acaaaacaca caaaaaaaaa acaaaaaaaa 360

aaaaaaaaaa acaaaaaaac caaaaaaaca aaaaaaaaaa aaaaaaaaaa ccaaaaacaa 420

acaacaccaa aaaaacaaca aaaaaaaaaa aaaaaaaaca aaaa 464

<210> 1717
<211> 398
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro5710020d05b1

<400> 1717

acccagaaga gaaagagccc agacaaccgg agcaaacaag gcccaaaggg gccaaagaaa 60

gactgggaag gagcccatga caaaagagga actgaaagac ccgccacgct cgcagggaga 120

acaactgaac cgcgaagaca ggacagacgg ggacaaaaga agaacggggg caccgcgagg 180

cagagcagaa aaaaggagca cgaagacaca aggactaagc gaggcacagg ccgaaggaaa 240

aaaacagagt gaagagggaaa aaccaggcgt aaccaaaaca aaaagcccag aaaaacaaac 300

accaaaagac agccggcgaa aaagcgaaaa ggcccggacc gaacggccac ccaacaaaag 360

cacaaacaga aagggcgaaa ggcgccagaa gcggaaaa 398

<210> 1718
<211> 451
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro5710020d07b1

<400> 1718

aaaaaaaaca accacaaaaa aaaaaaaaaa accagaaaag aaaaaaaaaa aacaaaaaaa 60

aaaaaaaaaa aacaaaaaaa agaaaaaaaa cagaaaaaaa cagaaaaaag aaaaaaaaaa 120

aaaaaaaaga acaacgaaaa caaaaaagaa aggaaaagaa gaaagaaaca aaaaagaaaa 180

aaaaaaaaaa aaagaagaaa aaaaaaaaag agaacaaaaa aaaaaaaaaa aaaagaaaaa 240

aaagaaaaaa aaaacagaaa aaaaaaaaca aaaacacaaa aacaaaaaaa aaaacacaaa 300

aaaacaaaaa aaaaaaaacc accaaacaaa aaaacaaaaa acaaaaaaaa aaacaagcaa 360

aaaaaacaaa aacaacagga aaaaaaacaa aaaagaaacg aaaagcacaa aaaaaaaaac 420

aaccaaaaaa aagaaaaaca aaaaaaacaa a 451

<210> 1719
<211> 184
<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsro5710020d08b1

<400> 1719

gacccagagg agaaagagac cgaacaaccg gcgaaaaaaa ggcccaaagg ggccaaagaa 60

acaaagcgga ggagcccacg acgaaagaag aacagaaggg cccgccgcag caagcagaaa 120

gaacaaaaga accgagaaga cagcccagaa cggaaccaaa agaagaaaca ggagcgacga 180

gagg 184

<210> 1720
<211> 451
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro5710020e06b1

<400> 1720

gctaatcctt agaggagttt ggcctagtgc cggggattgt tttcatgccg atgaggattt 60

tgctgccggc gcgcccgagc cgcgttcggt ggttcctggc gatactcttg ttggtggtgg 120

cggttggctc gctgctgttg gaaggaggtg cgctggaatc ctcggaaata agctcgatgt 180

cttccctggt atgcaggaat ccccttcgct tgctctcgcc gacggcagtc accatggtgg 240

tggtcaagtc gacggggact ggtatgaaga cggctcttgc gaccggttcc agagcaaatc 300

atcgatggtg cttgagcttt ggcgctcccg gcggacagcc ggcttgcagc gccgccgcgc 360

caccgaatcc tctggccaaa gggggggcaa acctcttcct cctagccttg aagctatatg 420

ggagggaggt gctactctag ctcgatgttc a 451

<210> 1721
<211> 349
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro5710020e08b1

<400> 1721

cccgaaccgg cgcgagagca cagggtgact tttagaggac cgagccccgc tgtacccccg 60

acccagagga ggaaagagac cgaacaaccg gcgaaaacaa ggccccacgg ggccaaagaa 120

gccccgagga ggagaccacg acgaaagaag aacagaaggc ccgccagccg acgctgggag 180

aacaacagaa ccgggaagcc agcccgacgg ggaccaaaga agaacagggg ccccaagcgg 240

aaaaacagaa agaggagcac gagaacacga ggaccaagca cggagacgag ccgacgaaac 300

acaaaaaacc agaatggaaa aacccccgcg gaaaacccaa acggaaaaa 349

<210> 1722
<211> 376
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro5710020e10b1

<400> 1722

gggggggcgga aacgatgccc ctggccgtcc gaaacccggg gctacaaccc ccgagccggc 60

gcgagagcgc agtgtgactt ataaaggacc gggccggttg acccccgacc ccgaggaaga 120

gggggggcgaa caaccgaaag aaacagggac cgaaggggcc agagggcaaa gcggaggaga 180

ccacgacgaa ggaagaacag aaagcccgcc accgagcagc gggggaacaa cagaaccggg 240

aggcgagccg gacggggaca aaagaagaac gggcgccacg aggggcaaag ggggaagagg 300

accaacgagg acacaaggcc caaacgagga accgggcgaa cgcaccacaa aacccgagac 360

ggggaaaaaa ccagga 376

<210> 1723
<211> 406
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro5710020f02b1

<400> 1723

aaaagaaaaa aaaaaaaaaa aagaaacaaa acgaaaaaaa aaagaaagaa aaacaaaaga 60

gaaacaaaaa gaagacaaaa aaaagcaaaa gaaaaagaaa agaaaacaaa aaaaaaaagc 120

aaaaaaaaaa aaaaaacagg cagagaaacg aaaacaaaaa aaaaaaaaaa aaaaaaaaaa 180

aacaaaagaa aaaacaaaaa aaaagacaag aagaaaaaac aaagaaggaa agaaaaagaa 240

aaagaaagaa gcaacacagc aacaaagaaa aaaaagaaag aacaaaaaaa cgagagaaga 300

aagaagaaga agaaggacaa cgaagaaaac aagcaaaaca aaacaagaaa agagaaaaaa 360

aaacaaaaca aaaaaagaaa aaacaaagaa aaacgaagga gaagag 406

<210> 1724
<211> 361
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro5710020f03b1

<400> 1724

aaaaaaaaaa aaaaaaacaa aaaaaaaaaa aacaaaaaaa aaaaaacaaa aaaaaaaaaa 60

aaaaaaaaaa aaacaaaaaa aaaaacaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 120

aaaacaataa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaacacaaa aaaaaacaaa 180

aaacaaaaaa aaaaaaaaaa aaaaaacaaa caaaaaaaac aaaaacaaaa caaaacaaac 240

aacaaaaaaa aaaaaaaaca aaaacaaaac aaaacaaaaa aacaaacaaa aaaaaaaaaa 300

acacaaaaaa aaaaaaaaac accaaaaaac caaacaaaaa aaaaaaaaaa aaacacaaca 360

c 361

<210> 1725
<211> 353
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro5710020f11b1

<400> 1725

gaaacccggg gctaacaacc acgaaccgga gcgagagaac agtgtgggtt ttaaaggacc 60

gagcccgctg acccccgacc ccgaggagga gaggagagaa caaccggagg aaccaaggac 120

caaaggggcc aaaggggaa aagaggagga gagccagaac aaaagaagaa ctgaaagacc 180

gccaccgccc cgggggggaga acaaacagaa ccgcgagagc gaagccagac ggggaccaaa 240

agaagaaacg ggggccccg agaggcagag gggaaagagg agcttgaaga caccaggccc 300

aagagaggca caggacagac cgcaacaaag ggggggaccg ggaaaaccca ggc 353

<210> 1726
<211> 145
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro5710020g03b1

<400> 1726

acgaacggga gcatgcgacg agttgtgttt ttaaaggggc gatccggttg caacccaccg 60

gccgggggtg aacaacgcgg cgactggcaa aaccatggcc gcaccgaacc aaagcgcctc 120

ggaggacaag cccatgacga aagat 145

<210> 1727
<211> 342
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro5710020g08b1

<400> 1727

cggacacgga atgccctggc cgctccgaaa aacggggata caacccacga gcgggcgcga 60

gagaagagcg tgacttttga aggaccgaac ccgaagtaac ccgacgccga ggaggaaaga 120

gcgcgaacaa cagaacgaac cagggaccta acgggacaga ggggcaaaac agaggagtcc 180

acgacgaaag aggaactgag agaaagccgc cctgagccga gcgaacaaac agaaccgagg 240

ggccggccgg acggggacga aagaagaacg ggagccacga agggcaaagg ggagagagga 300

gcaagacgac acaaaggcca agctgggagg ggggcgacgg ac 342

<210> 1728
<211> 62
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro5710020g10b1

<400> 1728

cctcgcgcgg ggggacgcgg gggcggacgc gtgtgcggta ttgtaatggg cggacgcgtg 60

tg 62

<210> 1729
<211> 389
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro5710020g11b1

<400> 1729

cccacgagcc ggcgcgagag aacagcgtga cttttaaagc accgaacccg catgaacccg 60

accctgaaga ggacgagtcc gaacaaccga acgaaccagg gccccacaag gccacacggg 120

gaaaacagag gagtccacga agaaaaaaga acagaaagac cgccacccca agccggggga 180

acaacagaac cgagacccca accggacagg gacaaaaaaa aaaccggagc cccgaagggc 240

aaagcaaaaa gagcaccaag aagacacgag gcccaaacag ggcacaggcc caccccaaac 300

aaccgccggg accgggaaaa cccaggcgca acccaaacaa aacgcacaac aaaacaaccc 360

ccaaaagccc aacggacgca aaaaacaaa 389

<210> 1730
<211> 525
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsro5710020g12b1

<400> 1730

ccagggcgaa ggcaaaaacg ccgtagcctg agactccgaa aaacggggct accacccgcg 60

aaccggagcg agagaacagt gtgagtttta aaggaccgag cccgctgaac acccgacccc 120

gatgaggang agacccgaac aacccggcga agcaaggccc tacggggcca atggagaaac 180

agcggaggag gcccaggacg aaagaagaac agaatgcccg cccccgaaag aaggaggaaa 240

aaccaaaccg ggaagacaac ccgacggggg acgaaagaag aacgggcgca ccaggcggca 300

aaaccacaaa aaggaagccc gaagacacca ggcccaaaca cggcaacagg ccggcaacca 360

acaacgacga gaaaggaaaa accccgaacg aacccacaac aaacaacgag agaaaaaaaa 420

accccaacca caagcggccc aaaaacgaac aaggaccaaa acgaacaccc cacacaacca 480

gagagcgaaa ccaaaagaca aaaggaagca cgaagaaaaa caaac 525

<210> 1731
<211> 227
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro5710020h03b1

<400> 1731

accgaaagcc ccccaccccc agccggggga acaacccaac cgagacgcca gcccgacggc 60

gaccaaagaa gaaccggcgc cccgcggggc aaacccgaaa aaggaccccg acaacacaag 120

gcccaaccca ggcaccgacc cacgaaccac aacgacccca accgagaaaa ccccgacggc 180

acccaacaaa aacaccccgc aacacaaccc cccacacgcc aacaggc 227

<210> 1732
<211> 141
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsro5710020h09b1

<400> 1732

gccaaaaccg aataaccttt acattcaaaa accaggattt aaaaccacaa accggagcaa 60

aagaaaagtg tggnctttga gagagcgagc cggtataaaa ccaaccccca aaaaaaaaca 120

aaacacacaa ccggaaaaac c 141

<210> 1733
<211> 322
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsro5710024a09b1

<400> 1733

gatggggtca cctccgttgt cattcccctt gcgcttgctg gcaccagctt gttcatgatt 60

ggccgcggga tctacaacat gtctaatggg atcgggaaaa aggagtgaat ttctgtgggt 120

tttgctagta tctcagtaag cggcatggaa gcaatactgc ccaagctatg atgtcatctt 180

cgtttgcaaa taatattgtc agagaaagac tcgggtccat ttcatgttct cttttgctgg 240

tatttgcgga tgcttgctaa acttgcaatg atgatgctat aacatcagca tcgtccactt 300

tgcgtttnna aaaaaaaaaa ca 322

<210> 1734
<211> 460
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsro5710024b05b1

<400> 1734

gcaactacgt gctgttggat ttcggnggca tcaacatgct gcacaagggc tcggtcgagc 60

aggccgggtt cgcggtgctg aaggcgcccg acattccgtc gatcctcgtc gagaccgcgt 120

tcatcagcaa cccggacgaa gagcgccggc tcaacgacga cagctatcgc gacgagatgg 180

ccgacgcgat cttccgcggc atcaagcgtt atttcgccgc gaacccgccg ctcgcgaaga 240

accggatggc ctgacggccg aacctccccc gccgccggca cgcagcgcgt gccggcgcgt 300

cacgacgccg cgaagcggcg catcagtttc ccgccgaaca cgttcaccgc gagcccgccc 360

atcacgagcg ccgtgccgat cagttgcgtg cgcgtcaggt gttcgtcgag cagcagcgcc 420

gacgacgcga gcccgacgat cggcaccagc agcgagaact 460

<210> 1735
<211> 96
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsro5710024c11b1

<400> 1735

ggccccggnn gagcaggcca gggtcgcggt gctcaaggac ggcgacattc cgtaaaatcc 60

ttgtcgagac cgtgtcgcat caggaaccag gacgaa 96

<210> 1736
<211> 233
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsro5710024d06b1

<400> 1736

ccccccccctg gcccggtaaa aataaaatac cctttcttgc cccgcccccc agcnggagca 60

gagaaaagat cgatttgcca agtatagtgc aagtgtccca catacgaacc ttgaccgtct 120

ttggggagtg gcaatcattg ctccttttgtc cgaacacgac gatctttcca gcgcttgctc 180

taccagatgc agaaggggtt caggcccctg accttgtccc aattggaaag ctt 233

<210> 1737
<211> 236
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro5710024e02b1

<400> 1737

cccgagagac ggtcgcactg cgtatatggc ttgggccatg ttcttggggg agcctgacaa 60

gataactgat gccgctcctc gtggggacac tgaccggagc agcctgacgg acaaagaaga 120

actgcctccg gtgcagactg aaagaggagt tgagacacag gcctaagctg gcctggcgcg 180

tttaccacgc agctggaaac cctgcgtacc cactatcgcc ttgagacatt cccctt 236

<210> 1738
<211> 144
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro5710024f05b1

<400> 1738

gctgggcgag caggccggtc acctgtgctg aggtgcccat cattgcgcat agcctcgtga 60

gaccgagttc atgagcaacg cggaccaaga gcgccggctc aactaccaca gctatcaaca 120

cgagacggac gacacgatct tccg 144

<210> 1739
<211> 463
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsro5710024f06b1

<400> 1739

acggcaacta cgtgctgaag gatttcggcg gcatcaacaa gctgcacaag ggctcggtcg 60

agcaggccgg gttcgcggtg ctgaaggcgc ccgacattcc gtcgatcctc gtcgagaccg 120

cgttcatcag caacccggac gaagagcgcc ggctcaacga cgacagctat cgcgacgaga 180

tggccgacgc gatcttccgc ggcatcaagc gttatttcgc cgcgaacccg ccgctcgcga 240

agaaccggat ggcctgacgg ncgaacctcc ggcccggcgg gaacgcagcg cgtgccggcg 300

cgtcacgacg ccgcgaagcg gcgcatcaat ttcccgccga acacgttcac cgcgagcccg 360

cccatcacga gcgccgtgcc gatcagttgc gtgcgcgtca ggtggtcggc gagcagcaac 420

gccgacgacg cgagcccgac catcggcacc agcagcgaga cct 463

<210> 1740
<211> 101
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro5710024g02b1

<400> 1740

gctggtgcaa tagctgaaga ggccagtgaa cccgccgttc acaacagcgg cgccgactga 60

agggctgatg gtacgcgcgc tgagcggaca ggagctcggg a 101

<210> 1741
<211> 316
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro5710024g04b1

<400> 1741

ggtggcgttt aaagccaacc cagaggaggt cgtgttacaa caactggact gggaatagcc 60

tgtcgtgacc caagttaatc tgctggggag acaatgacct atgatcagct ggaggaccgc 120

ctacagtgct ggatgaacag cccatccgaa aggtgcgcat gctgaatgcc aaagaggacc 180

tgccctgccg cgtggcataa atcacggagg acgttgtgga cacgagcact aagaccggta 240

ctggttggca gcgctactac gccccgactg tgaaatctct ggcgttactt aattgacacg 300

tctggcggca catccc 316

<210> 1742
<211> 265
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro5710024g05b1

<400> 1742

ctggggcgag caggccggga ctcgcggggc tgaaggtgcc cgacattccg ccaatcctcg 60

ccgagaccgc gttcatcagc aaccctgacc tagagcgccg gctcaacgac gacagctatc 120

gccactagac ggccgacgcg atcttccggg gcataaagcg atatttcccc cgcgaacccg 180

ccgcttgcga aaaaccgtat ggcctgacgg ccgaacctcc gccgccgtcg gcacgcatag 240

agtgccggcg cgttacgact cctcg 265

<210> 1743
<211> 496
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsro5710024g06b1

<400> 1743

acggcaacta cgtgctgtag gatttcggcg gcatcaacat gctgcacaag ggctcggtcg 60

agcaggccgg gttcgcggtg ctgaaggcgc ccgacattcc gtcgatcctc gtcgagaccg 120

cgttcatcag caacccggac gaagagcgcc ggctcaacga cgacagctat cgcgacgaga 180

tggccgacgc gatcttccgc ggcatcaagc gttatttcgc cgcgaacccg ccgctcgcga 240

agaaccggat ggcctgacgg ccgaacctcc ccgcncgccg gcacgcagcg cgtgccggcg 300

cgtcacgacg ccgcgaagcg gcgcatcagt ttcccgccga acacgttcac cgcgagcccg 360

cccatcacga gcgccgtgcc gatcagttgc gtgcgcgtca ggtgttcgtc gagcagcagc 420

gccgacgacg cgagcccgac gatcggcacc agcagcgaga actgcgcgac ctgcgcggcc 480

ggatagcgcg acagca 496

<210> 1744
<211> 90
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro5710024g10b1

<400> 1744

ctttggctcc tgaaattttt tttttccttg gggcaccttg ggttccctca aaccctctga 60

ttttatgttg ttttggatca ttaagggtta 90

<210> 1745
<211> 87
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro5710024h06b1

<400> 1745

ccctgggaga gcggcccgtc aactgccgtg aggtgcccgt tatggccaag tttctctgag 60

acggagttca tgaccaacga tgacctg 87

<210> 1746
<211> 266
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro5710024h08b1

<400> 1746

aaccgttgac ttgctggcac caccatgtac aggaaaggcc gagggatcta caacatgtat 60

aatgggagcg ggacaaagga gtgaattgct gggggctccg ctagtagctc atttagcggc 120

atgcatgcaa tactgtccaa gctatgatga catctacgtt tgcaaatact attgtcagag 180

agagactggg ggacattgca tgttctctat tgctgggatt tgcggatgct tgctaaagtt 240

gcaatgatga tgctataaca tcagca 266

<210> 1747
<211> 404
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl19316057a02b1

<400> 1747

cactggttcc ttatgctgcc gtgtaatatt aacatgtttg cgtttttgtt tgactaactc 60

ctgttgtttt tccctttca gaacttcaaa aattccaaga gcttgggaaa gaagaaccta 120

taacatcact gcatgatgga ggagaaagca gcagttgcat acacgcagga cacgaaggag 180

ctagtgaagc aagctcttct taccggtttg ggtctgaaaa gatgggagaa atggaattaa 240

cttctctaga ttccgagata ctaaacctgg tgaacaatgt agagcatctg gagatcaaac 300

tagaagaagc aaagcgtatt cttgaggtta aagaaacaca aatccgcgaa ctcgaatcta 360

ccataaacgt ttcagagacg tgtaacggag gaacagagat cggg 404

<210> 1748
<211> 392
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl19316057a07b1

<400> 1748

ggacaggtcg cgttggcagc tctcgatcct ggcagatggt gatggcgtta gcggttgttt 60

actcttttgg attctgaatg gatttccctg gaagttttgt aacttttggt gcagaggtag 120

atgctgattg gccttccaag tatctgagtt tggtattcaa tgcctccact ttggcattca 180

ggtcattgta gctgcagtcc agcttatggt gcaattcaga taatttctta gccatttcca 240

ttgagctaga tgcttgtccc tgtagcagct gctggaccat ctgtttcatt tcagcatcag 300

gggcagcagg accttggttt tgctgaggtg caaacccagg tggtggtggt tgctggtagt 360

tcccctggaa ttgctgctta ggaacgaaac ct 392

<210> 1749
<211> 479
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl19316057a08b1

<400> 1749

tagctttcca cagaacaaca ctcttaaaca aaattcacac tgtaaaattt tgcatcgttt 60

attcttgttt agaggcattt cgaaattaaa atatagaact atcatatacg agacattgac 120

aagtggaatg gctattgact gtaactagct acaagcgata tcgtggtaca ttaaccggtt 180

aaatcgtata gttcccgttc ccggttaagc gtggtttcca ccatcacatc attccatgaa 240

tcaattggac caggtaagca ccaatgcaga caatcattct gaacattgct cttattctta 300

actccagcaa aaggatttgg atgcctgtac ggtcccggat gcccgtctgg acggagaaga 360

gacattccag tcgtgtctaa tagcctgatg ttggaaccta agccaaaacc tttcccaaat 420

ttctgaaaca cctcaagctc aacatcacgc atcacatcat ctacagtttt catatttgc 479

<210> 1750
<211> 510
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl19316057a12b1

<400> 1750

aactacaggc agtggttttt ttcttttcgt tattgtcaca agaaacagac aggtattatt 60

catatgcaag agatggatcc agcttctggg ctgctgactc tttagcgagc ttctctgcct 120

ttgcaaccac ctcatcgata cctccaacca tgtaaaacga ttgttcggaa agatcatcgt 180

acttgccatc caacaaaccc tgaaacaaac acaagatgat tttggtcact tactcttact 240

ctaaatattc tatttgataa taacaaatct atctacgcca gagtaaattt agtccatcta 300

cacatagaca tcacaatgaa ttcttctata ctgaaaggca gttgtagcta aacttctaat 360

acgcggacat gttaaggcag cattgaaagc tttcaggaat tcaaagcaaa atgtttgata 420

atcatatgat tatagcaaaa tgttgttgta tgtatcatac ctggaaactg ttgatgtttt 480

ctttaaggtc gacatatttt ccaggggcac 510

<210> 1751
<211> 421
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl19316057b01b1

<400> 1751

ctttgttttc ctctagacca atgagcttgt tgtgtctgtt tatgtggcag ttctcgagtt 60

cttaatgttt ccaatcgatg accgcatcaa tgtctattga gtccttacac gagatcatgt 120

aacagcaaac ctctctgtct gttacagatt caagcccttt gcatcaaatc atttcaaagt 180

catatactcg aatccagatt gttttgtatg gactttgtat aagaaactta cagttgatca 240

accaaagctt gcttagagag agcttcagac ttatcgattt tgctgccaag aatcagaaga 300

ggaatgccac ttaaagacgg tttcgttagc agatcattca attcgcttct tgatatcggt 360

acactattct tatctgcagc atcaatcaca tatctgcaat attaccacag taacatatac 420

c 421

<210> 1752
<211> 427
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl19316057c11b1

<400> 1752

tataaatgtt gtctaaacac tcatactcca tttctaactc ttatgttttg tcaaatgcat 60

tggattgtga cacatgttta ccatagaaac actagcaaag ctatttactg cttctaagca 120

aatttttgtt ggtttttagc ctcttttggg acaaaatggg tataagtatt gtttaaacac 180

ttctacttca tctctaactc ttatgattag gtaaatgcat tggattgtga cacattttga 240

ccatacaaac actaacaaag ctatttactg cttctaagca atttttttgtt ggttctagcc 300

tctcttggaa gaaaattggt ataaatgttg tctaaacact cctaaaccgt atctaactta 360

tataactagt caaatgcttt gaattgtgac aaaatttgat tttgaaaaca ctaacaaagc 420

tatttac 427

<210> 1753
<211> 344
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl19316057d03b1

<400> 1753

ttccttccct tttgctatgt atttggacaa agttgggcta aagttgggta aattcaatgt 60

ttttttttctc cctaatttag cttatcggtt atcttcttta gtactacaat gacccgtcaa 120

aggagaaact tttgaaaagc taacccacaa agtagctttt ttgttcagtt gagtactcat 180

ttcgtttttc tcttatccag tctcatgttt gtcaatcttg attaggtttt tgcctctcct 240

ctttcacaac ttcttatcaa aggttgaagg ttgaagcaat gatggatatg aaggagagaa 300

tggtgaagaa acttaagctt attacatctc ttgggaactt gaag 344

<210> 1754
<211> 437
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl19316057d05b1

<400> 1754

gctcgctgga agagttcgtt ccgggatgtt ttgctttgat cgacttctcg gcaattaacg 60

aaattctccc tggcgtgctt ggcgtaatac ggccttgaat tcgccggcaa aagtctcacc 120

agcctcataa cgccgccgta tactctcagc accttcttaa ttttcgatta ccttctgcaa 180

cacgttaccc aattctagga ctctaatact gtatcataaa catccatggg ctcttaatgg 240

gcctttaata ataagcaatc actgaccggc taaacgttca catttgaggg tctaaaaccg 300

gttcaaacaa gacttttaaa gcttaaatct cttgatcttt taaaccggtc tctatcgatt 360

acagaaacca taactcaaaa catctcttta gatggaaata aacaaaaact tttattatct 420

taacacaaag ccttaac 437

<210> 1755
<211> 428
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl19316057d06b1

<400> 1755

aaacctgttc aatcaccatt tgaaaagtac agaatttcac atttattaga gcttggagtt 60

tctcatatat tgaaaagttt aacagcacaa aacacttacc catatggcta acagcaccga 120

gctcttgaat acaatcccac accatttcca tatttggtta agcaagactg aagtcctctt 180

tgacttgaca tgctcgatag catacctggc cccagatatg gtagtccaaa aggcatatgt 240

gccaatgacg aaagcataca aatctacata tttttaggga atactgttaa taatgtgtaa 300

cccgtgccaa agaatgactc agaagatcaa aattaacaaa cattaccatt gcacttgatg 360

ccatgagtta ttggaagaat gggaatggca ctgaattaga gcacgtccca gcgaaactgg 420

cacaacta 428

<210> 1756
<211> 244
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl19316057d11b1

<400> 1756

gattttggta ttctgattcg atctaagcaa gttaaattaa aagagacata atagttcttc 60

tctcttaatt gaatctttct ttacaaaatt atcaacaaag ttataaaaga aagtcccaat 120

aaccgaagaa atcgagactt acaaggcaaa gtaccaaaca caaactctct ggaatcactg 180

cacaaacata tcctacttat gttgacttct tttttctcaa atctcaaaat gaaccttccg 240

tttg 244

<210> 1757
<211> 460
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl19316057d12b1

<400> 1757

atgaaccaca aatgtcataa ttcattctaa tggtctttcg ttttgtacca ataggcaagt 60

tcgattcgtg aagcgttttg ttgaagcgct ttcggagggt cgtgttacag cacgaaatcc 120

gcagcatttg gatctcttac tggtctcagg cagacaaatc tctgggacag aaactagcaa 180

ctcgtcttaa cgtgaggcca aacttctgaa tgatatcatc tctaaagact aagtgaaatc 240

ctataaactc aatatgctcc tcttacggtt tggtttctaa gtaatctcgt ttattgacaa 300

tgaaacgctt aaagaagggt actagttcct gtttgtaatc ttcttttcaa aatattaacg 360

attattttct aaggcaaata aataaaaagc tatgactaat atagcttagt aaacaagtat 420

tactatcatc catttggttc tactttaaaa atggattttt 460

<210> 1758
<211> 353
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl19316057e01b1

<400> 1758

attcttgaat acacataatt tataaacata ggttagattt tcttagttaa atcagtgttt 60

cttctaaaga tcgctatcac tcggggtaca catcctttgg tgtgggttct cgcataaact 120

ttcacctcct ataggacgct cttcagagaa cagaggcaag aaataccctc taagcccctt 180

tagatctcat gattgggaca aagttgatag tagaagagac gctgccagga tttcgtcctc 240

ttttggcaat acaaatctac aatggcgaga aaaaactact tctagatgca gtccaagacg 300

ggatagcttt gaagtattga taacacgacg ttttagcccg ttttatctat tgt 353

<210> 1759
<211> 495
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl19316057e06b1

<400> 1759

tcttcttaaa tgcatcatca tcatcatcat ctaaactctc ttcagattca tcatcattat 60

ctaaaacctc ttcagatgca tcagtatcat ctaaaccctc ttcagatgca tcatcatcat 120

catcattatc atccaaatct tcttcagatg aatcatcata atcatccaaa tccttcttca 180

gaagcatcag tagctggatc tccttctttc cagcacagag gttcagttat cttcacagta 240

tcctttggta catcaataac tggaagaatc tgtacctcag cgacaataat gagtctatct 300

ctcacgagaa atccattgcc tctagcatct gtaccttacc aattgcagtc agaggctacg 360

aaggtgcgag agtagcaatt gttatgttgc aatgaacaga agtttttcaa aacccaactg 420

aatcttgtct ccttttgctt gctcattatt cttgatgaaa cggttgaaag tggcggagca 480

caatagagaa tcact 495

<210> 1760
<211> 235
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl19316057f08b1

<400> 1760

ggctaaatcg tgactataaa gccacgaatt ggtcatgtaa aaattcgtgg taaatatagc 60

cacaacatag ccacgaatat attcgtaacc aaatggtgac gagaaaattt gtggataatt 120

cgtcgctata caatagccac gaaaaacaac gcggcttttc gtcgcaaatc caccgaatta 180

aacatcacat catgcaacaa caccgaatta tacaatatcc acgaatggga aacgt 235

<210> 1761

<211> 484
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl19316057f09b1

<400> 1761

ttgctctagc tagattgtcc aaaggagcaa atatcaggat agtaaagaat ctgagaattt 60

gctgagattg ttacgctgtt atgaagctaa cgtcgaaggt tgtgtggggt agaaatattg 120

gtccgagaca gaaatcgctt tcattcattt aaggacggtt cttgctcatg ccgtgactac 180

tggtaaaagg ttgtggatag atgtacacca cacatatatc attttgtgga ctaatgcatc 240

cactagtgac ctcaccaatg gaagcttcac tcccaacaca aactttcaga tctctctact 300

ctctacaact tgaggtcttc atttgcgagg tttgtggttt acattgcctt gggactgtgg 360

gtaactttga tactttgtat tcttcttggc ctagaacgta atatacgaaa tttgtttgga 420

ctgttatttg aaatttctaa cagattctac caaactttga ccagaaatat caagcacgtc 480

ttcg 484

<210> 1762
<211> 406
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl19316057f10b1

<400> 1762

aatactagaa gaaaggcacc gacacctaac aaaattaagt gaatacccaa aatggttgtc 60

attttatttt tatctttcca tacatagccg aaaggggaa aatataattc aagagtgtcg 120

ggtcccagaa gtgcatgata aataccgcca aagcccaaaa ctgcagaaga aattaagtga 180

agtactccag atacaaagta cggaaaggtg tctataactt cttccccagg acctaccccc 240

catcctaaag tggctaggtg gggaagtaaa attaatcctt ggtcatacat gggcttttca 300

ggtacaaaat gggccacttc aaataagttc attgctccgg cccagaatac gattaatccg 360

gcatgggcta catgagcttc caaaagttta ccagataaat tgataa 406

<210> 1763
<211> 471
<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsfl19316057g01b1

<400> 1763

tgagtttggt ggaatagagt tctaacaatt tcctcttcac ctggtcaccg gtagaagaaa 60

tgggtcaatg ttagtaatca ttacacaatg aactaaaatg tctttatctt tgtggtctta 120

tatgtttctt atcacctttt gctccatcaa acaaaacttc atgaatttga ttattctgga 180

ttttttttaga acacgtagtt catgtgacta tttatgtggt taaggtctct actataattt 240

ggagtatccc caacgcttta gctgtatatg ttaccttgga tagagttcta agatacaaac 300

attgtataat ctttttaaat gattctgata aactgatact gatcataata aaccaatatg 360

agaagtagca cacaaaaaaa attacaatct agtgattttt agtcaactta cttttggttt 420

ctggaattgg aggaaccacc tcttcagctt cagctgctgc agcaagtgtt t 471

<210> 1764
<211> 463
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl19316057g02b1

<400> 1764

agacaatcgc tacttacaag gagaagcttc tagcagcgaa cccattttta actgtttttc 60

ctgtctttct ctaacctgaa aagaagacat caatattata ctcagctgga atttaaacgt 120

tttggctgga acgataaacc ggccaaagaa ctcacctggc aaaacaatta ctgaccctac 180

gaagacgcca taaacgtagc atactgaaaa taccatatcc ctgaatactc tcatgaagca 240

agctcccaaa aatttcgtaa ggaaatgtgg aaaccacgtc gaaaatcagc caagtcgacg 300

catatctcca agctattctc tttggatcat cgacaagaag ataagttacc ttgtccagaa 360

ggcaacaaag aatgtcaaga ctatatcaac agcgaaaaac ccgttgacaa tgttatcgag 420

aatactgaga ggtggtcttg gcttttgcag aaacccaaat tca 463

<210> 1765
<211> 323
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl19316057g04b1

<400> 1765

ctgtttggtt tgtggatttt gcacagtttt aggaaattca catattaaga agggaaatga 60

attttgacta ttaacatacc tgttcaagtg cattaggtcg ggattcaaaa acaatcagaa 120

gtacgcctaa tggtgatgag gttttctcta agacaagacc atttgccacc tgtaaaagga 180

attgtcacaa agaacaaata gcattaacaa ctattgtatg tcaactagga ggatagtcat 240

attccttatt taactcatga gtatgtaaat taactatatg gtaacaattg tcctctgatc 300

acctctgttt tctttaaaac acg 323

<210> 1766
<211> 443
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl19316057g07b1

<400> 1766

agcctataat aatgcgacag aagctactga gagtctgaga ccacaaaagt tgaacatttt 60

tgttacctaa ttataatatg ctaagtagag ggcactttac tttgggtgta aatgtaacag 120

aaacccctga aacgaactca agcgcctcgt atgatgtgtg gtttggatcc gcatagacct 180

ctgtattgag agaaagttga ttacagataa ttagatcatc tcataaaagg aactactcac 240

caggcttttt tagtaatcaa gagaaaacat acctccttta aacttagtct gttccacaaa 300

agtattagcc tgcatacata gatggtcata acgtgagaag cagcagctta aaactgctta 360

cgcttacaaa aattgcgtat tcaaaatgtt gtttacctga tcgatgcttt ccggtccgat 420

cagaacaaga gcaacaccag atg 443

<210> 1767
<211> 440
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl19316057g11b1

<400> 1767

aatgcattag aaacttgggc tacagaaaac gtgaactttt ttaagatccc aacgaaacct 60

tcaaagatta tcattggtat ccaactattg catgctctgg atatccaact attgcacgct 120

cttcaactct catcaacaac ttttattttg acaaatgttg cgtcattctt acaagtttgc 180

catataaaag aagcttatct atagctgcaa accaggagcc ccgaaacaat ggtttcatat 240

gctgagctct tgtttgaatc aaatagactg tagaggagaa atcggcaaaa aacacaaaat 300

aaataaaaaa cgacccagtt gtatatgttt agatcaggat ttaagccagg attacaaaga 360

cgccatccgg ctttgtggta gaccaacaac acagctgttt ttggaacctc aatacagacc 420

accaaaacag ttcttgctcc 440

<210> 1768
<211> 265
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl19316057h01b1

<400> 1768

tgaaatataa atagatgttc ccttcgactt tttgagattt caactatatc gaactcctcg 60

tcctaagagg atgattttac gttgatgcga cataacagtt ccgactcatt actcattttt 120

gtgatatcat ggttagggga aatcaacgac tcagaaccat aaacttggga attaccaccc 180

aatgggagaa gaatggacaa agaatttcct tgggctctgt gatcaaactc tgctggcact 240

tctcttcctg gtaacagaac cgacc 265

<210> 1769
<211> 383
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl19316057h03b1

<400> 1769

atgcttttca ctttcctata tatttatgaa aactgcagtt tcttatcagc ccttttgtac 60

caaaactgat tggaaagttc cccccggagc cgaggacagc cattacagcg acaaataaga 120

caatcattga tcctaacaac tgcaccattt tactcaactt atcagcgatt tttcgagatt 180

tccatattta ttgcagacac atgaaactaa acattgttac caattctcaa aaggtgaatg 240

aaaaatgttc tacaaaatgt aagcaacgat gtattagtgt acctgaagac gcaaggagag 300

ccacaagctt gcgattatct ctgagtaaga agtccgctgg tatagcgtca aatgctcaat 360

aaatttacct acaaaatgct cct 383

<210> 1770
<211> 431
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl19316057h04b1

<400> 1770

cgtactctca atcttgtttc gtaagaaaat gtgaaaagaa tataaagatt tgaacaattt 60

tattcctgtt tcttacaagc ttagagcaat cataatacat aacgattgta aaacagtaca 120

gagaaaagtt cttgtcatat ttttacatac ttaatctgaa gttttcttgt tctttcttgt 180

ttaaggttga gaagaaatca acagagacac aagcaaagaa gcaacgattg taaacattaa 240

aattccaata tgattcactc cgttactcat cactacttgg ttttctgtat gtacaacaga 300

gataataatc atagctatgg actatggttc aagcttcatc tgaagcgttg gctcagaacc 360

tgcaacataa agatacgaga ctttaacaac ataagagata gttctatagt ttcgatagac 420

gaatttgctt c 431

<210> 1771
<211> 470
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl19316057h05b1

<400> 1771

aaggatttct ttatgaacac aaggtagtga actccatttg ttagaacagc ttccattgat 60

tctctgcact tatccctttt ttcgcgcttt gtaaactccg gtttgttcgc gtaaaccagg 120

atttggctca ggattgccca ttgttaattc cagggtttct ctgaatttga aagttatcac 180

ttagtaggtt tccataccaa ggctcaatcc aattaagtcc gtagcgtcta ccaattccgc 240

catatcccct tttttaggat ctcattatga tgtctttcct tttttttctt atgccgaaac 300

ctcgggattc attacattat agatacttat tttatgtctt tgctatcttc ttttatttt 360

ttgagctcca tccatattga tttagtctaa tcaacaaaga ttctatcatt tttgtatttg 420

caattcaata tggttatata ttacataaca tatatatgtt ctttttttt 470

<210> 1772
<211> 465
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl19316057h06b1

<400> 1772

agtatataac ataggtgcga agttaaaaaa tgcaggtggg actattgaac gtggatggat 60

tctacgattc actattgacg tttatagggg aggcagtgga cgaaggcttc gtctcctcca 120

ccgctcgccg tatcattgtc tcggctccaa acgctcctca attacttcaa cttcttgagg 180

ttttttatt tgcctttcat tacttttga ttattctatt taatactata gactaaatga 240

acgaatccca aaataggata attaaattaa ttgaattcat ttgtaatcgc aggagtatgt 300

tccaaaacac gacgattttg tattcaaaat ggtgtgggac aataccacgg atgctttcac 360

tttggaaggc gactcgtttt agatataggt catttgtatc ttagtctact tttattttat 420

tattaaaaat ctcggttttt attggccatt tcaaattttt gattt 465

<210> 1773
<211> 514
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl19316057h09b1

<400> 1773

cattttgacc acggaaacac taacaaagct attgactact tttatataat gttttgttcg 60

ttttagcctc tggggacact taatgggtat aaacgtattc taaacactcc taatccatct 120

ttaactcttc ttattagtca aatgcattgg attttgacac atattgacca tagaaaaacc 180

aacaaagcta ttgactgctt ctaataaatg ttttgttggt tttagcctct tttggaggaa 240

aatgggtata aatgttgtct aaatactcct actccatctc taactcttac gattagtcaa 300

atgaaatgga ttgtgaaaca tttttaccat agaaacacta acaaagctat ttatttcttc 360

taagcaattt ttttgtttgt gttagcctct tttgggacaa aatgggtatt agtgctgtct 420

aaacactcct aatccatctt taacacttat aattaggcaa atgaattaca ttgtgacaca 480

tttgaacata gaaacactaa caaagctatt aact 514

<210> 1774
<211> 381
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl19316057h12b1

<400> 1774

tttttcttca gtacaggact aatgtttgcc aagtttcaac aataccttc ccggggccaa 60

cattggggat ttcaaatttg cgtgggtttg ccttaagaag agctctaaca tgagcatcaa 120

ccaaatcagt gacatcaatg tggatcccgt acgcaagttc catcaccggt tttgcagtct 180

ggtcctttga tctggggaaa aagaaaagtt aaatgaatat caatgattag agaagcttga 240

aagcttatag ccatgtgcat gtaacaagga gactaattta aacactgctt taataaagga 300

aactcaagaa ttacgtggct caattatgta ttttgctcag ctggaaacta taactactta 360

tcagctcttt tacacgcatg t 381

<210> 1775
<211> 201
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316001a04b1

<400> 1775

cccgcaccta gcaaatggtc cgccaagaaa gccaactgac gggattgcac atgttcagac 60

acagtaatgc tgctgctgct attcaacgag atcgattcta acctcaaagc gcccagatcc 120

caatgacgag ctagtggacg atgtccacca cgttgcagtc gcgccatggg ccccgaatgc 180

gaaccccggc gacatggcct g 201

<210> 1776
<211> 522
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316001c01b1

<400> 1776

ctagcggatt tggatttctt taacaactaa ggttcctgtt tttaacattt tatagccaag 60

ggcttttgcc catctccaat agctaacaag aactctttct tttctttaca aatcccaaaa 120

cctttactag acttttttctg cttctttagc ttacttcacc tagagtcttc tacctttttct 180

tatcattgaa tcaaccccctt tttttttttc ttttaaacac atcccaaccc aaagtataag 240

cgcccaccta gtcctatcta gtccgaaaaa tgcgaactag aactacatga gacactatct 300

gtgccgttac gaacctaaca ctttctacca agcttaatcg gaataagacc tcacaaacac 360

tcacaagtta tatagggctt gaaagaaagt ctaggtctgg gtttgggtta actgctctaa 420

taaggagagt cagctacttg gattaaaaag agtgatcaaa atgaataaga aaatccaagt 480

attttacggt atgcatgagt tcaaatttga tgcagacatg at 522

<210> 1777
<211> 554
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316001c02b1

<400> 1777

ctagcggatt tggatttctt taacaactaa ggttcctgtt tttaacattt tatagccaag 60

ggcttttgcc catctccaat agctaacaag aactctttct tttctttaca aatcccaaaa 120

cctttactag acttttttctg cttctttagc ttacttcacc tagagtcttc tacctttttct 180

tatcattgaa tcaaccccctt tttttttttg ttttaaacac atcccaaccc aaagtataag 240

cgcccaccta gtcctatcta gtccgaaaaa tgcgaactag aactacatga gacactatct 300

ctgtcgttac gaacctaaca ctttctacca agcttaatcg gaataagacc tcacaaacac 360

tcacaagtta tatagggctt gaaagaaagt ctaggtttgg gtttgggtta actgctctaa 420

taaggagagt cagctacttg gattaaaaag agtgatcaaa atgaataaga aaatccaagt 480

attttacggt atccatgagt tcaaatttga tgcagacatg ataattaaag attagattca 540

ggttcaaatt gata 554

<210> 1778
<211> 143
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316001c03b1

<400> 1778

taacctcaaa gcgcccagat cccaatgacg agctcgccga cgatgtccac cacgttgcag 60

tggcgccatg ggccccgtat gcgaaccccg ttgacatggg ctggtccgct gggccggtgc 120

tgagatccgg ggacttgtcc cat 143

<210> 1779
<211> 256
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316001c05b1

<400> 1779

tcttcccgca cctagcaaat ggtaagccaa gaaagccaac tgacggcatt gcacatgttc 60

agacaaagtt ttgctgctgc tgctattcaa cgagatcgat tctaacctca aagcgcccag 120

atcccaatga cgagctcgtt gacgatgtcc accacgttgc agtcgcgcca tgggccccga 180

atgcgaaccc cgtcgacatg gactggtccg ctgtgccggt actgtgatcc ggcgacttgt 240

cccattcgac catcca 256

<210> 1780
<211> 506
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316001c06b1

<400> 1780

agcggatttg gatttcttta acaactaagg ttcctgtttt taacatttta aagccaaggg 60

cttttgccca tctccaatag ctaacaagaa ctctttcttt tctttacaaa tcccaaaacc 120

tttactagac tttttctgct tctttagctt acttcaccta gagtcttcta ccttttctta 180

tcattgaatc aacccctttt tttttttctt ttaaacacat cccaacccaa agtataagcg 240

cccacctagt cctatctagt ccgaaaaatg cgaactagaa ctacatgaga cactatctct 300

gtcgttacga acctaacact ttctaccaag cttaatcgga ataagacctc acaaacactc 360

acaagttata tagggcttga aagaaagtct aggtttgggt ttgggttaac tgctctaata 420

aggagagtca gctacttgga ttaaaaagag tgatcaaaat gaataagaaa atccaagtat 480

tttacggtat ccatgagttc aaattt 506

<210> 1781
<211> 522
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsf19316001d01b1

<400> 1781

ctagcggatt tggatttctt taacaactaa ggttcctgtt tttaacattt taaagccaag 60

ggcttttgcc catctccaat agctaacaag aactctttct tttctttaca aatcccaaaa 120

cctttactag acttttttctg cttctttagc ttacttcacc tagagtcttc tacctttttct 180

tatcattgaa tcaacccctt tttttttttc ttttaaacac atcccaaccc aaagtataag 240

cgcccaccta gtcctatcta gtccgaaaaa tgcgaactag aactacatga gacactatct 300

ctgtcgttac gaacctaaca ctttctacca agcttaatcg gaataagacc tcacaaacac 360

tcacaagtta tatagggctt gaaagaaagt ctaggtttgg gtttgggtta actgctctaa 420

aaggagagtc agctacttgg attaaaaaga gtgatcaaaa tgaataagaa aatccaagta 480

ttttacggta tgcatgagtt caaatttgat gcagacatga ta 522

<210> 1782
<211> 544
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsf19316001d02b1

<400> 1782

cactttgtta catctagcgg atttggattt ctttaacaac taaggttcct gtttttaaca 60

ttttaaagcc aagggctttt gcccatctcc aatagctaac aagaactctt tcttttcttt 120

acaaatccca aaacctttac tagacttttt ctgcttcttt agcttacttc acctagagtc 180

ttctaccttt tcttatcatt gaatcaaccc ctttttttt ttcttttaaa cacatcccaa 240

cccaaagtat aagcgcccac ctagtcctat ctagtccgaa aaatgcgaac tagaactaca 300

tgagacacta tctctgtcgt tacgaaccta acactttcta ccaagcttaa tcggaataag 360

acctcacaaa cactcacaag ttatataggg cttgaaagaa agtctaggtt tgggttctgg 420

gttaactgct ctaataagga gagtcagcta cttggattaa aaagagtgat caaaatgaat 480

aagaaaatcc aagtatttta cggtatccat gagttcaaat ttgatgcaga catgataatt 540

aaag 544

<210> 1783
<211> 235
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsf19316001d05b1

<400> 1783

tcgtccacgc gtccgtccac gcgtgcgagc cgacaaccca agcaaacaaa ctatggccgc 60

cgctccttcc cccgccgtcg ccgccgtcag cagcagcgcg ccctcgacgg ggctcctgcc 120

gccgcggcgc agcaccgtcc cgctgtcgtc gatgaggagc gcggcgccgg gcggtaggat 180

ggcgaccgtg gcgcgcgcgg agggccacgt gggggccgtg ggcaacacgt acctc 235

<210> 1784
<211> 431
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsf19316001d06b1

<400> 1784

aaagccaact gacggcattg cacatgtgca gacaaagata tgctgctgct gctattcaac 60

gagatcgatt ctaacctcaa agcgcccaga tcccaatgac gagctcgtcg acgatgtcca 120

ccacgttgca gtcgcgccat gggccccgaa tgcgaacccc gtcgacatgg cctggtccgt 180

tgtgccggta ctgcgatccg gcgacttgtc ccattcgacc atccagttct cgccctcctc 240

gtcggcgctt cagagcttcg ccgtgaccct gcaacaggtg gccccttcga agctgtccag 300

ccacagtcgc agcggcattc agatcctggt tctggacgtt gctcccccttc cgctagacac 360

ggtgttcgtc aacctggaga gcgaattgac aaaacggctg gagagcggtg agggcacctt 420

ttacaaggac c 431

<210> 1785

<211> 513
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316001e03b1

<400> 1785

cactttgttc atctagcgga tttggatttc tttaacaact aaggttcctg tttttaacat 60

ttttaagcca agggcttttg cccatctcca atagctaaca agaactcttt cttttcttta 120

caaatcccaa aacctttact agacttttttc tgcttcttta gcttacttca cctagagtct 180

tctacctttt cttatcattg aatcaacccc ttttttttt tcttttaaac acattccaac 240

ccaaagtata agcgcccacc tagtcctatc tagtccgaaa aatgcgaact agaactacat 300

gagacactat ctatgtcgtt acgaacctaa cactttctac caagcttaat cggaataaga 360

cctcacaaac actcacaagt tatatagggc ttgaaagaaa gtctaggttt gggtttgggt 420

taactgctct aataaggaga gtcagctact tggattaaaa agagtgatca aaatgaataa 480

gaaaatccat gtattttacg gtatgcatga gtt 513

<210> 1786
<211> 492
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316001e04b1

<400> 1786

gtgttctccg acctcttccc gcacctagca aatggttagc caagaaagcc aactgacggt 60

attgcacatg tgcagacaaa gaaatgctgc tgctgctatt caacgagatc gattctaacc 120

tcaaagcgcc cagatcccaa tgacgagctc gtcgacgatg tccaccacgt tgcagtcgcg 180

ccatgggccc cgaatgcgaa ccccgtcgac atggcctggt ccgttgtgcc ggtactgcga 240

tccggcgact tgtcccattc gaccatccag ttctcgccct cctcgacggc gcttcagagc 300

ttcgccgtga ccctgcaaca ggtggccccc tcgaagctgt tcagccacag ccgcagcggc 360

attgagatcc tcgtcctcga cgttgctccc cttgcgatag acacggtgtt cgtcaacctg 420

gagagcgaat tgacaaaacg gctggagagc ggtgagggca ccttttacaa ggaccatacg 480

acaagcccca at 492

<210> 1787
<211> 458
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316001e05b1

<400> 1787

actttgttac atctagcgga tttggatttc tttaacaact aaggttcctg tttttaacat 60

tttttagcca agggcttttg cccatctcca atagctaaca agaactcttt cttttcttta 120

caaatcccaa aacctttact agacttttc tgcttcttta gcttacttca cctagagtct 180

tctacctttt cttatcattg aatcaacccc ttttttttt tcttttaaac acattccaac 240

ccaaagtata agcgcccacc tagctctatc tagtccgaaa aatgcgaact agaactacat 300

gagacactat ctatgtcgtt acgaacctaa cactttctac caagcttaat cggaataaga 360

cctcacaaac actcacaagt tatatagggc ttgaaagaaa gtctaggttt gggtatgggt 420

taactgctct aataaggaga gtcagctact tggattaa 458

<210> 1788
<211> 526
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316001f03b1

<400> 1788

tgttctccga cctcttcccg cacctagcaa atggtaagcc aagaaagcca actgacggca 60

ttgcacatga gcagacaaag aaatgctgct gctgctattc aacgagatcg attctaacct 120

caaagcgccc agatcccaat gacgagctcg tcgacgatgt ccaccacgtt gcagtcgcgc 180

catgggcccc gaatgcgaac cccgtcgaca tggcctggtc cgttgtgccg gtactgcgat 240

ccggcgactt gtcccattcg accatccagt tctcgccctc ctcgtcggcg cttcagagct 300

tcgccgtgac cctgcaacag gtggcccctt cgaagctgtc cagccacagc cgcagcggca 360

ttgagatcct cgttctcgac gttgctcccc ttgcgctaga cacggtgttc gtcaacctgg 420

agagcgaatt gacaaaacgg ctggagagcg gtgagggcac cttttacaag gaccatacga 480

caagccccaa tgccaaggac gttgccaaca tgacgcccga ggagcg 526

<210> 1789
<211> 537
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316001f05b1

<400> 1789

acactttgtt acatctagcg gatttggatt tctttaacaa ctaaggttcc tgtttttaac 60

attttaaagc caagggcttt tgcccatctc caatagctaa caagaactct ttcttttctt 120

tacaaatccc aaaaccttta ctagactttt tctgcttctt tagcttactt cacctagagt 180

cttctacctt ttcttatcat tgaatcaacc ccttttttt tttcttttaa acacatccca 240

acccaaagta taagcgccca cctagtccta tctagtccga aaaatgcgaa ctagaactac 300

atgagacact atctatgtcg ttacgaacct aacactttct accaagctta atcggaataa 360

gacctcacaa acactcacaa gttatatagg gcttgaaaga aagtctaggt ttgggtttgg 420

gttaactgct ctaataagga gagtcagcta cttggattaa aaagagtgat caaaatgaat 480

aagaaaatcc atgtatttta cggtatgcat gagttcaaat ttgatgcaga catgata 537

<210> 1790
<211> 356
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316001g01b1

<400> 1790

cttcccgcac ctagcaaatg gtaagccaag aaagccaact gacggcattg cacatgtgca 60

gacaaagaaa tgctgctgct gctattcaac gagatcgatt ctaacctcaa agcgcccaga 120

tcccaatgac gagctcgtcg acgatgtcca ccacgttgca gtcgcgccat gggccccgaa 180

tgcgaacccc gtcgacatgg cctggtccgt tgtgccggta ctgcgatccg gcgacttgtc 240

ccattcgacc atccagttct agccctcctc gagggcgcta cagagctcta gccggaccct 300

gcaacaggtg gcccccttcga agctgctcag ccacagccgc agcggcattg agatcc 356

<210> 1791
<211> 365
<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316001g02b1

<400> 1791

tctccgacct cttcccgcac ctagcaaatg gtaagccaag aaagccaact gactgtattg 60

cacatgtgca gacaaagaaa tgctgctgct gctattcaac gagatcgatt ctaacctcaa 120

agcgcccaga tcccaatgac gagctcgttg acgatgtcca ccacgttgca gtcgcgccat 180

gggccccgaa tgcgaacccc gtcgacatgg cctggtccgt tgtgccggta ctgcgatccg 240

gcgacttgac ccattcgacc atacagttct cgcccctcctc gtcggcgctt cagagctttg 300

ccgtgaccct gcaacaggtg gcccttcga agctgttcag tcacagtcgc agcggcattg 360

agatc 365

<210> 1792
<211> 455
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316001g05b1

<400> 1792

cactttgtta catctagcgg atttggattt ctttaacaac taaggttcct gtttttaaca 60

ttttataagc caagggcttt tgcccatctc caatagctaa caagaactct ttcttttctt 120

tacaaatccc aaaaccttta ctagactttt tctgcttctt tagcttactt cacctagagt 180

cttctacctt ttcttatcat tgaatcaacc ccttttttt tttcttttaa acacatccca 240

acccaaagta taagcgccca cctagtccta tctagtccga aaaatgcgaa ctagaactac 300

atgagacact atctctgtcg ttacgaacct aacactttct accaagctta atcggaataa 360

gacctcacaa acactcacaa gttatatagg gcttgaaaga aagtctaggt ttgggtttgg 420

gttaactgct ctaaaaggag agtcagctac ttgga 455

<210> 1793
<211> 360
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316001g06b1

<400> 1793

ctcttcccgc acctagcaaa tggtaagcca agaaagccaa ctgacggcat tgcacatttg 60

cagacaaaga aatgctgctg ctgctattca acgagatcga ttctaacctc aaagcgccca 120

gatcccaatg acgagctcgt cgacgatgtc caccacgttg cagtcgcgcc atgggccccg 180

aatgcgaacc ccgtcgacat ggcctggtcc gttgtgccgg tactgcgatc cggcgacttg 240

tcccattcga ccatccagtt ctcgccctcc tcgtcggcgc ttcagagctt cgccgtgacc 300

ctgcaacagg tggccccttc gaagctgttc agccacagcc gcagcggcat tgagatcctc 360

<210> 1794
<211> 489
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316001h01b1

<400> 1794

tcttcccgca cctagcaaat ggtaagccaa gaaagccaac tgacggcatt gcacatgttc 60

agacaaagaa atgctgctgc tgctattcaa cgagatcgat tctaacctca aagcgcccag 120

atcccaatga cgagctcgtc gacgatgtcc accacgttgc agtcgcgcca tgggccccga 180

atgcgaaccc cgtcgacatg gcctggtccg ttgtgccggt actgcgatcc ggcgacttgt 240

cccattcgac catccagttc tcgccctcct cgtcggcgct tcagagctct gccgtgaccc 300

tgcaacaggt ggccccttcg aagctgttca gccacagccg cagcggcatt gagatcctcg 360

tcctcgacgt tgctaccctt ccgctagaca cggtgttcgt caacctggag agcgaattga 420

caaaacggct ggagagcggc gagggcacct tttacaagga ccatacgaca agccccaatg 480

ccaaggacg 489

<210> 1795
<211> 524
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316001h02b1

<400> 1795

cactttgttc atctagcgga gttggatttc tttaacaact aaggttcctg tttttaacat 60

ttttaagcca agggcttttg cccatctgca atagctaaca agaactcttt cttttcttta 120

caaatcccaa aacctttact agacttttttc tgcttcttta gcttacttca cctagagtct 180

tctacctttt cttatcattg aatcaacccc ttttttttttt tcttttaaac acatcccaac 240

ccaaagtata agcgcccacc tagtcctatc tagtccgaaa aatgcgaact agaactacat 300

gagacactat ctatgtcgtt acgaacctaa cactttctac caagcttaat cggaataaga 360

cctcacaaac actcacaagt tatatagggc ttgaaagaaa gtctaggttt gggtttgggt 420

taactgctct aataaggaga gtcagctact tggattaaaa agagtgatca aaatgaataa 480

gaaaatccaa gtattttacg gtatccatga gttcaaattt gatg 524

<210> 1796
<211> 551
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsf19316001h03b1

<400> 1796

ctcaacactt tgttacatct agcggatttg gatttcttta acaactaagg ttcctgtttt 60

taacatttta taagccaagg gcttttgccc atctccaata gctaacaaga actctttctt 120

ttctttacaa atcccaaaac ctttactaga ctttttctgc ttctttagct tacttcacct 180

agagtcttct acctttttctt atcattgaat caacccctttt ttttttttct tttaaacaca 240

tcccaaccca aagtataagc gcccacctag tcctatctag tccgaaaaat gcgaactaga 300

actacatgag acactatctc tgtcgttacg aacctaacac tttctaccaa gcttaatcgg 360

aataagacct cacaaacact cacaagttat atagggcttg aaagaaagtc taggtttggg 420

tttgggttaa ctgctctaat aaggagagtc agctacttgg attaaaaaga gtgatcaaaa 480

tgaataagaa aatccaagta ttttacggta tccatgagtt caaatttgat gcagacatga 540

taattaaaga t 551

<210> 1797
<211> 474
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsf19316001h04b1

<400> 1797

tgttctccgt cctcttcccg cacctagcaa atggtaagcc aagaaagcca actgacggca 60

ttgcacattt gcagacaaag aaatgctgct gctgctattc aacgagatcg attctaacct 120

caaagcgccc agatcccaat gacgagctcg tcgacgatgt ccaccacgtt gcagtcgcgc 180

catgggcccc gaatgcgaac cccgtcgaca tggcctggtc cgttgtgccg gtactgcgat 240

ccggcgactt gtcccattcg accatccagt tctcgccctc ctcgtcggcg cttcagagct 300

tcgccgtgac cctgcaacag gtggcccctt cgaagctgtc cagccacagc cgcagcggca 360

ttgagatcct cgtcctcgac gttgctcccc ttccgctaga cacggtgttc gtcaacctgg 420

agagcgaatt gacaaaacgg ctggagagcg gcgagggcac cttttacaag gacc 474

<210> 1798
<211> 469
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsf19316002a02b1

<400> 1798

gttctccgac ctcttcccgc acctagcaaa tggtaagcca agaaagccaa ctgacggcat 60

tgcacatgag cagacaaaga aatgctgctg ctgctattca acgagatcga ttctaacctc 120

aaagcgccca gatcccaatg acgagctcgt cgacgatgtc caccacgttg cagtcgcgcc 180

atgggccccg aatgcgaacc ccgtcgacat ggcctggtcc gttgtgccgg tactgcgatc 240

cggcgacttg tcccattcga ccatccagtt ctcgccctcc tcgtcggcgc ttcagagctt 300

cgccgtgacc ctgcaacagg tggcccttc gaagctgtcc agccacagcc gcagcggcat 360

tgagatcctc gtcctcgacg ttgctcccct tccgctagac acggtgttcg tcaacctgga 420

gagcgaattg acaaaacggc tggagagcgg cgagggcacc ttttacaag 469

<210> 1799
<211> 120
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsf19316002a04b1

<400> 1799

acactttgtt acatctagcg gatttggatt tctttaacaa ctaaggttcc tgtttttaac 60

attttaaagc caagggcttt tgcccatctc caatagctaa caagaactct ttcttttctt 120

<210> 1800
<211> 556
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316002a05b1

<400> 1800

tcaacacttt gttacatcta gcggatttgg atttctttaa caactaaggt tcctgttttt 60

aacattttaa agccaagggc ttttgcccat ctccaatagc taacaagaac tctttctttt 120

ctttacaaat cccaaaacct ttactagact ttttctgctt ctttagctta cttcacctag 180

agtcttctac cttttcttat cattgaatca acccctttt ttttttcttt taaacacatc 240

ccaacccaaa gtataagcgc ccacctagtc ctatctagtc cgaaaaatgc gaactagaac 300

tacatgagac actatctctg tcgttacgaa cctaacactt tctaccaagc ttaatcggaa 360

taagacctca caaacactca caagttatat agggcttgaa agaaagtcta ggtttgggtt 420

tgggttaact gctctaataa ggagagtcag ctacttggat taaaaagagt gatcaaaatg 480

aataagaaaa tccaagtatt ttacggtatc catgagttca aatttgatgc agacatgata 540

attaaagatt agattc 556

<210> 1801
<211> 491
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316002a06b1

<400> 1801

ttctccgact ctcttcccgc acctagcaaa tggtaagcca agaaagccaa ctgacggcat 60

tgcacatgag cttacaaatt taatgctgct gctgctattc aacgagatcg attctaacct 120

caaagcgccc agatcccaat gacgagctcg tcgacgatgt ccaccacgtt gcagtcgcgc 180

catgggcccc gaatgcgaac cccgtcgaca tggcctggtc cgttgtgccg gtactgcgat 240

ccggcgactt gtcccattcg accatccagt tctcgccctc ctcgtcggcg cttcagagct 300

tcgccgtgac cctgcaacag gtggcccctt cgaagctgtc cagccacagc cgcagcggca 360

ttgagatcct cgtcctcgac gttgctcccc ttccgctaga cacggtgttc gtcaacctgg 420

agagcgaatt gacaaaacgg ctggagagcg gcgagggcac cttttacaag gaccatccga 480

caagccccaa t 491

<210> 1802
<211> 567
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsf19316002a07b1

<400> 1802

gttctccgac tctcttcccg cacctagcaa atggtaagcc aagaaagcca actgacggca 60

ttgcacatga gcttacaaag aaatgctgct gctgctattc aacgagatcg attctaacct 120

caaagcgccc agatcccaat gacgagctcg tcgacgatgt ccaccacgtt gcagtcgcgc 180

catgggcccc gaatgcgaac cccgtcgaca tggcctggtc cgttgtgccg gtactgcgat 240

ccggcgactt gtcccattcg accatccagt tctcgccctc ctcgtcggcg cttcagagct 300

tcgccgtgac cctgcaacag gtggcccctt cgaagctgtc cagccacagc cgcagcggca 360

ttgagatcct cgtcctcgac gttgctcccc ttccgctaga cacggtgttc gtcaacctgg 420

agagcgaatt gacaaaacgg ctggagagcg gcgagggcac cttttacaag gaccatccga 480

caagccccaa tgccaaggac gttgccaaca tgacgcccga ggagcgtcta gccacggcgc 540

tcagggcagc tctcagcacc ctcaaga 567

<210> 1803
<211> 348
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsf19316002a11b1

<400> 1803

gttctccgac tctcttcccg cacctagcaa atggtaagcc aagaaagcca actgacggca 60

ttgcacatga gcagacaaag aaatgctgct gctgctattc aacgagatcg attctaacct 120

caaagcgccc agatcccaat gacgagctcg tcgacgatgt ccaccacgtt gcagtcgcgc 180

catgggcccc gaatgcgaac cccgtcgaca tggcctggtc cgttgtgccg gtactgcgat 240

ccggcgactt gtcccattcg accatccagt tctcgccctc ctcgtcggcg cttcagagct 300

tcgccgtgac cctgcaacag gtggcccctt cgaagctgtc cagccaca 348

<210> 1804
<211> 464
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsf19316002a12b1

<400> 1804

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tgcacatgag cttacaaaga aatgctgctg ctgctattca acgagatcga ttctaacctc 120

aaagcgccca gatcccaatg acgagctcgt cgacgatgtc caccacgttg cagtcgcgcc 180

atgggccccg aatgcgaacc ccgtcgacat ggcctggtcc gttgtgccgg tactgcgatc 240

cggcgacttg tcccattcga ccatccagtt ctcgccctcc tcgtcggcgc ttcagagctt 300

cgccgtgacc ctgcaacagg tggcccctc gaagctgtcc agccacagcc gcagcggcat 360

tgagatcctc gtcctcgacg ttgctcccct tccgctagac acggtgttcg tcaacctgga 420

gagcgaattg acaaacggct ggagagcggc gagggcacct ttta 464

<210> 1805
<211> 380
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsf19316002b02b1

<400> 1805

gttctccgat ctcttcccgc acctagcaaa tggtaagcca agaaagccaa ctgacggcat 60

tgcacatgat tagacaaaga aatgctgctg ctgctattca acgagatcga ttctaacctc 120

aaagcgccca gatcccaatg acgagctcgt cgacgatgtc caccacgttg cagtcgcgcc 180

atgggccccg aatgcgaacc ccgtcgacat ggcctggtcc gttgtgccgg tactgcgatc 240

cggcgacttg tcccattcga ccatccagtt ctcgccctcc tcgtcggcgc ttcagagctt 300

cgccgtgacc ctgcaacagg tggcccctc gaagctgtcc agccacagcc gcagcggcat 360

tgagatcctc gtcctcgacg 380

<210> 1806
<211> 428
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316002b03b1

<400> 1806

aacactttgt tacatctagc ggatttggat ttctttaaca actaaggttc ctgtttttaa 60

cattttaatg ccaagggctt ttgcccatct ccaatagcta acaagaactc tttcttttct 120

ttacaaatcc caaaaccttt actagacttt ttctgcttct ttagcttact tcacctagag 180

tcttctacct tttcttatca ttgaatcaac ccctttttt ttttctttta aacacatccc 240

aacccaaagt ataagcgccc acctagtcct atctagtccg aaaaatgcga actagaacta 300

catgagacac tatctctgtc gttacgaacc taacactttc taccaagctt aatcggaata 360

agacctcaca aacactcaca agttatatag ggcttgaaag aaagtctagg tttgggtttg 420

ggttaact 428

<210> 1807
<211> 471
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316002b05b1

<400> 1807

ttctccgacc tcttcccgca cctagcaaat ggtaagccaa gaaagccaac tgacggcatt 60

gcacatgagc ttacaaagaa atgctgctgc tgctattcaa cgagatcgat tctaacctca 120

aagcgcccag atcccaatga cgagctcgtc gacgatgtcc accacgttgc agtcgcgcca 180

tgggccccga atgcgaaccc cgtcgacatg gcctggtccg ttgtgccggt actgcgatcc 240

ggcgacttgt cccattcgac catccagttc tcgccctcct cgtcggcgct tcagagcttc 300

gccgtgaccc tgcaacaggt ggccccttcg aagctgtcca gccacagccg cagcggcatt 360

gagatcctcg tcctcgacgt tgctcccctt ccgctagaca cggtgttcgt caacctggag 420

agcgaattga caaaacggct ggagagcggc gagggcacct tttacaagga c 471

<210> 1808
<211> 519
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316002b07b1

<400> 1808

tcttcccgca cctagcaaat ggtaagccaa gaaagccaac tgacggtatt gcacatgagc 60

ttacaatgta atgctgctgc tgctattcaa cgagatcgat tctaacctca aagcgcccag 120

atcccaatga cgagctcgtc gacgatgtcc accacgttgc agtcgcgcca tgggccccga 180

atgcgaaccc cgtcgacatg gcctggtccg ttgtgccggt actgcgatcc ggcgacttgt 240

cccattcgac catccagttc tcgccctcct cgtcggcgct tcagagcttc gccgtgaccc 300

tgcaacaggt ggcccccttcg aagctgtcca gccacagccg cagcggcatt gagatcctcg 360

tcctcgacgt tgctcccctt ccgctagaca cggtgttcgt caacctggag agcgaattga 420

caaaacggct ggagagcggc gagggcacct tttacaagga ccatccgaca agccccaatg 480

ccaaggacgt tgccaacatg acgcccgagg agcgtctag 519

<210> 1809
<211> 564
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316002b08b1

<400> 1809

gttctccgac tctcttcccg cacctagcaa atggtaagcc aagaaatgcc aactgacggc 60

attgcacatg agctgacaaa gaaatgctgc tgctgctatt caacgagatc gattctaacc 120

tcaaagcgcc cagatcccaa tgacgagctc gtcgacgatg tccaccacgt tgcagtcgcg 180

ccatgggccc cgaatgcgaa ccccgtcgac atggcctggt ccgttgtgcc ggtactgcga 240

tccggcgact tgtcccattc gaccatccag ttctcgccct cctcgtcggc gcttcagagc 300

ttcgccgtga ccctgcaaca ggtggccccct tcgaagctgt ccagccacag ccgcagcggc 360

attgagatcc tcgtcctcga cgttgctccc cttccgctag acacggtgtt cgtcaacctg 420

gagagcgaat tgacaaaacg gctggagagc ggcgagggca ccttttacaa ggaccatccg 480

acaagcccca atgccaagga cgttgccaac atgacgcccg aggagcgtct agccacggcg 540

ctcagggcag ctctcagcac cctc 564

<210> 1810
<211> 565
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316002b09b1

<400> 1810

ttctccgacc tcttcccgca cctagcaaat ggtaagccaa gaaagccaac tgacggcatt 60

gcacatgagc tgacaaagaa atgctgctgc tgctattcaa cgagatcgat tctaacctca 120

aagcgcccag atcccaatga cgagctcgtc gacgatgtcc accacgttgc agtcgcgcca 180

tgggccccga atgcgaaccc cgtcgacatg gcctggtccg ttgtgccggt actgcgatcc 240

ggcgacttgt cccattcgac catccagttc tcgccctcct cgtcggcgct tcagagcttc 300

gccgtgaccc tgcaacaggt ggccccttcg aagctgtcca gccacagccg cagcggcatt 360

gagatcctcg tcctcgacgt tgctcccctt ccgctagaca cggtgttcgt caacctggag 420

agcgaattga caaaacggct ggagagcggc gagggcacct tttacaagga ccatccgaca 480

agccccaatg ccaaggacgt tgccaacatg acgcccgagg agcgtctagc cacggcgctc 540

agggcagctc tcagcaccct caaga 565

<210> 1811
<211> 448
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316002c01b1

<400> 1811

gttctccgac ctcttcccgc acctagcaaa tggtaagcca agaaagccaa ctgacggcat 60

tgcacatgag cagacaaaga aatgctgctg ctgctattca acgagatcga ttctaacctc 120

aaagcgccca gatcccaatg acgagctcgt cgacgatgtc caccacgttg cagtcgcgcc 180

atgggccccg aatgcgaacc ccgtcgacat ggcctggtcc gttgtgccgg tactgcgatc 240

cggcgacttg tcccattcga ccatccagtt ctcgccctcc tcgtcggcgc ttcagagctt 300

cgccgtgacc ctgcaacagg tggccccttc gaagctgtcc agccacagcc gcagcggcat 360

tgagatcctc gtcctcgacg ttgctcccct tccgctagac acggtgttcg tcaacctgga 420

gagcgaattg acaaaacggc tggagagc 448

<210> 1812
<211> 615
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsf19316002c07b1

<400> 1812

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cattttaaag tcaagggctt ttgcccatct ccaatagcta acaagaactc tttcttttct 120

ttacaaatcc caaaaccttt actagacttt ttctgcttct ttagcttact tcacctagag 180

tcttctacct tttcttatca ttgaatcaac ccctttttt ttttctttta aacacatccc 240

aacccaaagt ataagcgccc acctagtcct atctagtccg aaaaatgcga actagaacta 300

catgagacac tatctctgtc gttacgaacc taacactttc taccaagctt aatcggaata 360

agacctcaca aacactcaca agttatatag ggcttgaaag aaagtctagg tttgggttcg 420

ggttaactgc tctaataagg agagtcagct acttggatta aaaagagtga tcaaaatgaa 480

taagaaaatc caagtatttt acggtatcca tgagttcaaa tttgatgcag acatgataat 540

taaagattag attcaggttc aaattgatag ggaatggatc agatcatgac agtgtggccg 600

agtagagcaa tctaa 615

<210> 1813
<211> 556
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsf19316002c08b1

<400> 1813

aacactttgt tacatctagc ggatttggat ttctttaaca actaaggttc ctgtttttaa 60

cattttaaat ttcaagggct ttgcccatc tccaatagct aacaagaact ctttcttttc 120

tttacaaatc ccaaaacctt tactagactt tttctgcttc tttagcttac ttcacctaga 180

gtcttctacc ttttcttatc attgaatcaa ccccttttt tttttctttt aaacacatcc 240

caacccaaag tataagcgcc cacctagtcc tatctagtcc gaaaaatgcg aactagaact 300

acatgagaca ctatctctgt cgttacgaac ctaacacttt ctaccaagct taatcggaat 360

aagacctcac aaacactcac aagttatata gggcttgaaa gaaagtctag gtttgggttt 420

gggttaactg ctctaataag gagagtcagc tacttggatt aaaaagagtg atcaaaatga 480

ataagaaaat ccaagtattt tacggtatcc atgagttcaa atttgatgca gacatgataa 540

ttaaagatta gattca 556

<210> 1814
<211> 542
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsf19316002c11b1

<400> 1814

tcaacacttt gttacatcta gcggatttgg atttctttaa caactaaggt tcctgttttt 60

aacattttaa agccaagggc ttttgcccat ctccaatagc taacaagaac tctttctttt 120

ctttacaaat cccaaaacct ttactagact ttttctgctt ctttagctta cttcacctag 180

agtcttctac cttttcttat cattgaatca acccctttt ttttttcttt taaacacatc 240

ccaacccaaa gtataagcgc ccacctagtc ctatctagtc cgaaaaatgc gaactagaac 300

tacatgagac actatctctg tcgttacgaa cctaacactt tctaccaagc ttaatcggaa 360

taagacctca caaacactca caagttatat agggcttgaa agaaagtcta ggtttgggtt 420

tgggctaact gctctaataa ggagagtcag ctacttggat taaaaagagt gatcaaaatg 480

aataagacaa tccaagtatt ttacggtatc catgagttca aatttgatgc agacatgata 540

at 542

<210> 1815
<211> 550
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsf19316002d01b1

<400> 1815

aacactttgt tacatctagc ggatttggat ttctttaaca actaaggttc ctgtttttaa 60

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ttacaaatcc caaaaccttt actagacttt ttctgcttct ttagcttact tcacctagag 180

tcttctacct tttcttatca ttgaatcaac ccctttttt ttttctttta aacacatccc 240

aacccaaagt ataagcgccc acctagtcct atctagtccg aaaaatgcga actagaacta 300

catgagacac tatctctgtc gttacgaacc taacactttc taccaagctt aatcggaata 360

agacctcaca aacactcaca agttatatag ggcttgaaag aaagtctagg tttgggtttg 420

ggttaactgc tctaataagg agagtcagct acttggatta aaagagtgat caaaatgaat 480

aagaaaatcc aagtatttta cggtatccat gagttcaaat ttgatgcaga catgataatt 540

aaagattaga 550

<210> 1816
<211> 423
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316002d02b1

<400> 1816

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ctgtttttaa cattttaatg ccaagggctt ttgcccatct ccaatagcta acaagaactc 120

tttcttttct ttacaaatcc caaaaccttt actagacttt ttctgcttct ttagcttact 180

tcacctagag tcttctacct tttcttatca ttgaatcaac ccctttttt ttttctttta 240

aacacatccc aacccaaagt ataagcgccc acctagtcct atctagtccg aaaaatgcga 300

actagaacta catgagacac tatctctgtc gttacgaacc taacactttc taccaagctt 360

aatcggaata agacctcaca aacactcaca agttatatag ggcttgaaag aaagtctagg 420

ttt 423

<210> 1817
<211> 450
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316002d03b1

<400> 1817

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acattttaat gccaagggct tttgcccatc tccaatagct aacaagaact ctttcttttc 120

tttacaaatc ccaaaacctt tactagactt tttctgcttc tttagcttac ttcacctaga 180

gtcttctacc ttttcttatc attgaatcaa ccccttttt ttttttcttt aaacacatcc 240

caacccaaag tataagcgcc cacctagtcc tatctagtcc gaaaaatgcg aactagaact 300

acatgagaca ctatctctgt cgttacgaac ctaacacttt ctaccaagct taatcggaat 360

aagacctcac aaacactcac aagttatata gggcttgaaa gaaagtctaa ggtttgggtt 420

tgggttaact gctctaataa ggagagtcag 450

<210> 1818
<211> 477
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316002d04b1

<400> 1818

tttgttacat ctagcggatt tggatttctt taacaactaa ggttcctgtt tttaacattt 60

taaagccaag ggcttttgcc catctccaat agctaacaag aactctttct tttctttaca 120

aatcccaaaa cctttactag actttttctg cttctttagc ttacttcacc tagagtcttc 180

tacctttttct tatcattgaa tcaaccccctt ttttttttttc ttttaaacac atcccaaccc 240

aaagtataag cgcccaccta gtcctatcta gtccgaaaaa tgcgaactag aactacatga 300

gacactatct ctgtcgttac gaacctaaca ctttctacca agcttaatcg gaataagacc 360

tcacaaacac tcacaagtta tatagggctt gaaagaaagt ctaggtttgg gcttgggcta 420

actgctctaa taaggagagt cagctacttg gattaaaaag agtgatcaaa atgaata 477

<210> 1819
<211> 487
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316002d08b1

<400> 1819

ttctccgacc tcttcccgca cctagcaaat ggtaagccaa gaaagccaac tgacggcatt 60

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aagcgcccag atcccaatga cgagctcgtc gacgatgtcc accacgttgc agtcgcgcca 180

tgggccccga atgcgaaccc cgtcgacatg gcctggtccg ttgtgccggt actgcgatcc 240

ggcgacttgc cccattcgtc catgcccacc tagtcctatt tagtgcggct aaagagatct 300

agcgcgaccc tggaacaggt ggccccttcg aagctgtcca gccacagccg cagcggcatt 360

gagatcctcg tcctcgacgt tgctcccctt ccgctagaca cggtgttcgt caacctggag 420

agcgaattga caaaacggct ggagagcggc gagggcacct tttacaagga ccatccgaca 480

agcccca 487

<210> 1820
<211> 553
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsf19316002d09b1

<400> 1820

cactttgtta catctagcgg atttggattt ctttaacaac taaggttcct gtttttaaca 60

ttttaatttc aagggctttt gcccatctcc aatagctaac aagaactctt tcttttcttt 120

acaaatccca aaacctttac tagacttttt ctgcttcttt agcttacttc acctagagtc 180

ttctaccttt tcttatcatt gaatcaaccc ctttttttt ttcttttaaa cacatcccaa 240

cccaaagtat aagcgcccac ctagtcctat ctagtccgaa aaatgcgaac tagaactaca 300

tgagacacta tctctgtcgt tacgaaccta acactttcta ccaagcttaa tcggaataag 360

acctcacaaa cactcacaag ttatataggg ctcgaaagaa agtctaggtt tgggtttggg 420

ttaactgctc taataaggag agtcagctac ttggattaaa aagagtgatc aaaatgaata 480

agaaaatcca agtattttac ggtatccatg agttcaaatt tgatgcagac atgataatta 540

aagattagat tca 553

<210> 1821
<211> 530
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsf19316002d12b1

<400> 1821

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ttgctcatga gctgacaaag aaatgctgct gctgctattc aacgagatcg attctaacct 120

caaagcgccc agatcccaat gacgagctcg tcgacgatgt ccaccacgtt gcagtcgcgc 180

catgggcccc gaatgcgaac cccgtcgaca tggcctggtc cgttgtgccg gtactgcgat 240

ccggcgactt gtcccattcg accatccagt tctcgccctc ctcgtcggcg cttcagagct 300

tcgccgtgac cctgcaacag gtggcccctt cgaagctgtc cagccacagc cgcagcggca 360

ttgagatcct cgtcctcgac gttgctcccc ttccgctaga cacggtgttc gtcaacctgg 420

agagcgaatt gacaaaacgg ctggagagcg gcgagggcac cttttacaag gaccatccga 480

caagccccaa tgccaaggac gttgccaaca tgacgcccga ggagcgtcta 530

<210> 1822
<211> 449
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsf19316002e01b1

<400> 1822

aacactttgt tacatctagc ggatttggat ttctttaaca actaaggttc ctgtttttaa 60

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ttacaaatcc caaaaccttt actagacttt ttctgcttct ttagcttact tcacctagag 180

tcttctacct tttcttatca ttgaatcaac ccctttttt ttttctttta aacacatccc 240

aacccaaagt ataagcgccc acctagtcct atctagtccg aaaaatgcga actagaacta 300

catgagacac tatctctgtc gttacgaacc taacactttc taccaagctt aatcggaata 360

agacctcaca aacactcaca agttatatag ggcttgaaag aaagtctagg tttgggtttg 420

ggttaactgc tctaataagg agagtcagc 449

<210> 1823
<211> 422
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316002e04b1

<400> 1823

gttctccgac ctcttcccgc acctagcaaa tggtaagcca agaaagccaa ctgacggcat 60

tgcacatgag ctgacaaaga aatgctgctg ctgctattca acgagatcga ttctaacctc 120

aaagggccca gatcccaatg acgagctcgt cgacgatgtc caccacgttg cagtcgcgcc 180

atgggccccg aatgcgaacc ccgtcgacat ggcctggtcc gttgtgccgg tactgcgatc 240

cggcgacttg tcccattcga ccatccagtt ctcgccctcc tcgtcggcgc ttcagagctt 300

cgccgtgacc ctgcaacagg tggccccttc gaagctgtcc agccacagcc gcagcggcat 360

tgagatcctc gtcctcgacg ttgctcccct tccgctagac acggtgttcg tcaacctgga 420

ga 422

<210> 1824
<211> 479
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316002e05b1

<400> 1824

gttctccgac tctcttcccg cacctagcaa atggtaagcc aagaaagcca actgacggca 60

ttgcacatga gcttacaaag aaatgctgct gctgctattc aacgagatcg attctaacct 120

caaagcgccc agatcccaat gacgagctcg tcgacgatgt ccaccacgtt gcagtcgcgc 180

catgggcccc gaatgcgaac cccgtcgaca tggcctggtc cgttgtgccg gtactgcgat 240

ccggcgactt gtcccattcg accatccagt tctcgccctc ctcgtcggcg cttcagagct 300

tcgccgtgac cctgcaacag gtggcccctt cgaagctgtc cagccacagc cgcagcggca 360

ttgagatcct cgtcctcgac gttgctcccc ttccgctaga cacggtgttc gtcaacctgg 420

agagcgaatt gacaaaacgg ctggagagcg gcgagggcac cttttacaag gaccatccg 479

<210> 1825
<211> 152
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316002e06b1

<400> 1825

ccaagaaatg ccaactgacg gcattgcaca tgagcttaca aatttatgct gctgctgcta 60

ttcaacgaga tcgagttcta acctcaaagc gcccagatcc caatgacgag ctcgtcgacg 120

atgtccacca cgttgcagtc gcgccatggg cc 152

<210> 1826
<211> 490
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316002e07b1

<400> 1826

ttctccgacc tcttcccgca cctagcaaat ggtaagccaa gaaagccaac tgacggcatt 60

gcacatgagc ttacaaatat aatgctgctg ctgctattca acgagatcga ttctaacctc 120

aaagcgccca gatcccaatg acgagctcgt cgacgatgtc caccacgttg cagtcgcgcc 180

atgggccccg aatgcgaacc ccgtcgacat ggcctggtcc gttgtgccgg tactgcgatc 240

cggcgacttg tcccattcga ccatccagtt ctcgccctcc tcgtcggcgc ttcagagctt 300

cgccgtgacc ctgcaacagg tggccccttc gaagctgtcc agccacagcc gcagcggcat 360

tgagatcctc gatctcgacg ttgctcccct tccgctagac acggtgttcg tcaacctgga 420

gagcgaattg acaaaacggc tggagagcgg cgagggcacc ttttacaagg accatccgac 480

aagccccaat 490

<210> 1827
<211> 286
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316002e08b1

<400> 1827

ttctccgact ctcttcccgc acctagcaaa tggtaagcca agaaagccaa ctgacggcat 60

tgcacatgag cttacaaaga aatgctgctg ctgctattca acgagatcga ttctaacctc 120

aaagggccca gatcccaatg acgagctcgt cgacgatgtc caccacgttg cagtcgcgcc 180

atgggccccg aatgcgaacc ccgtcgacat ggcctggtcc gttgtgccgg tactgcgatc 240

cggcgacttg tcccattcga ccatccagtt ctcgccctcc tcgtcg 286

<210> 1828
<211> 550
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316002e09b1

<400> 1828

cactttgtta catctagcgg atttggattt ctttaacaac taaggttcct gtttttaaca 60

ttttaaattt caagggcttt tgcccatctc caatagctaa caagaactct ttcttttctt 120

tacaaatccc aaaaccttta ctagactttt tctgcttctt tagcttactt cacctagagt 180

cttctacctt ttcttatcat tgaatcaacc ccttttttt tttcttttaa acacatccca 240

acccaaagta taagcgccca cctagtccta tctagtccga aaaatgcgaa ctagaactac 300

atgagacact atctctgtcg ttacgaacct aacactttct accaagctta atcggaataa 360

gacctcacaa acactcacaa gttatatagg gctcgaaaga aagtctaggt ttgggtttgg 420

gttaactgct ctaataagga gagtcagcta cttggattaa aaagagtgat caaaatgaat 480

aagaaaatcc aagtatttta cggtatccat gagttcaaat ttgatgcaga catgataatt 540

aaagattaga 550

<210> 1829
<211> 435
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsfl9316002e10b1

<400> 1829

cttgcttgct ccggccatcg accatggagg gcgaggcgcc gcagtcgcac cagctgctcc 60

tgcacggcgt cagcctggac ctgcgcctcg acacggccac ggccacgcac cagctgcgcg 120

gcgcccggcg cccggcgtcc cctgcgccta ctcccgtggc cttcgaccag gccggcaagg 180

aggccttctc ctgcaactac tgccaccgca agttcctcag ctcgcaggcg ctcagcggcc 240

accagaacgc ccacaagctc gagcgcaccc tcgccaagcg cagccgcgac gcctcctcca 300

ccgccgccac ggcagctcaa actgccacgc cttcctctca ctggccccac gccggcggcg 360

gngagctctg ggcgtactct gcttcggccg ctgccccgga ttccacgacg atggcgcccc 420

tgatgggcat gggct 435

<210> 1830
<211> 554
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsf19316002e11b1

<400> 1830

aacactttgt tacatctagc ggatttggat ttctttaaca actaaggttc ctgtttttaa 60

cattttaaat ccaagggctt ttgcccatct ccaatagcta acaagaactc tttcttttct 120

ttacaaatcc caaaaccttt actagacttt ttctgcttct ttagcttact tcacctagag 180

tcttctacct tttcttatca ttgaatcaac ccctttttt ttttctttta aacacatccc 240

aacccaaagt ataagcgccc acctagtcct atctagtccg aaaaatgcga actagaacta 300

catgagacac tatctctgtc gttacgaacc taacactttc taccaagctt aatcggaata 360

agacctcaca aacactcaca agttatatag ggcttgaaag aaagtctagg tttgggtttg 420

ggctaactgc tctaataagg agagtcagct acttggatta aaaagagtga tcaaaatgaa 480

taagaaaatc caagtatttt acggtatcca tgagttcaaa tttgatgcag acatgataat 540

taaagattag attc 554

<210> 1831
<211> 449
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsf19316002f02b1

<400> 1831

gttctccgac ctcttcccgc acctagcaaa tggtaagcca agaaagccaa ctgacggcat 60

tgcacatgag cagacaaaga aatgctgctg ctgctattca acgagatcga ttctaacctc 120

aaagcgccca gatcccaatg acgagctcgt cgacgatgtc caccacgttg cagtcgcgcc 180

atgggccccg aatgcgaacc ccgtcgacat ggcctggtcc gttgtgccgg tactgcgatc 240

cggcgacttg tcccattcga ccatccagtt ctcgccctcc tcgtcggcgc ttcagagctt 300

cgccgtgacc ctgcaacagg tggccccttc gaagctgtcc agccacagcc gcagcggcat 360

tgagatcctc gtcctcgacg ttgctcccct tccgctagaa cacggtgttc gtcaacctgg 420

agagcgaatt gacaaaacgg ctggagagc 449

<210> 1832
<211> 471
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316002f05b1

<400> 1832

tccgactctc ttcccgcacc tagcaaatgg taagccaaga aagccaactg acggcattgc 60

acatgagctt acaattataa tgctgctgct gctattcaac gagatcgatt ctaacctcaa 120

agcgcccaga tcccaatgac gagctcgtcg acgatgtcca ccacgttgca gtcgcgccat 180

gggccccgaa tgcgaacccc gtcgacatgg cctggtccgt tgtgccggta ctgcgatccg 240

gcgacttgtc ccattcgacc atccagttct cgccctcctc gtcggcgctt cagagcttcg 300

ccgtgaccct gcaacaggtg gccccttcga agctgtccag ccacagccgc agcggcattg 360

agatcctcgt cctcgacgtt gctcccccttc cgctagacac ggtgttcgtc aacctggaga 420

gcgaattgac aaaacggctg gagagcggcg agggcacctt ttacaaggac c 471

<210> 1833
<211> 470
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316002f06b1

<400> 1833

gctgctgctg ctattcaacg agatcgagtt ctaacctcaa agcgcccaga tcccaatgac 60

gagctcgtcg acgatgtcca ccacgttgca gtcgcgccat gggccccgaa tgcgaacccc 120

gtcgacatgg cctggtccgt tgtgccggta ctgcgatccg gcgacttgtc ccattcgacc 180

atccagttct cgccctcctc gtcggcgctt cagagcttcg ccgtgaccct gcaacaggtg 240

gccccttcga agctgtccag ccacagccgc agcggcattg agatcctcgt cctcgacgtt 300

gctcccccttc cgctagacac ggtgttcgtc aacctggaga gcgaattgac aaaacggctg 360

gagagcggcg agggcacctt ttacaaggac catccgacat gccccaatgc caaggacgtt 420

gccaacatga cgcccgagga gcgcctagcc acggcgctca gggcagctct 470

<210> 1834
<211> 172
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsf19316002f09b1

<400> 1834

gttctccgac ctcttcccgc acctagcaaa tggtaagcca agaaagccaa ctgacggcat 60

tgcttatgag cttacaaaga aatgctgctg ctgctgttca acgagatcga ttctaacggc 120

aaagcgccca gatcccaatg acgagctcgt cgacgatgtc caccacgttg ca 172

<210> 1835
<211> 614
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsf19316002f12b1

<400> 1835

tttagatcat gtggctggat ttcatcatta aaacctcact gcttgtttcc tgaaaccaca 60

ggtgttgaac atatggggat actatccact cattctaata ggatcatggg cattcggcac 120

tattaaccgt atccatgatt tcatcgagcc agggcataag atcttctggc tctcagttct 180

tgacgttggg acagctgcac taatggtagc aaacctatca ataaataag ttataaaatt 240

cgccatagat catctttgct cttcccgagt cgatgttctg aatgttgtat tttcagggct 300

tgttcaattc aatagcctat ggtttcaaca gctcagtgcg tcgagcaatc catgagagac 360

tggagctgta agtcaccacc gatctctttg gtttgctata ttattcccaa taatcaatga 420

agcttgattt ttatgaaacc cttggtctgc tagattcttg ccagaacggc tatatcgatg 480

gcttccaagc aatttcagac caaaaaacca tctgattcta catcagcaac aacaacagcg 540

aagcgaaatg gtatcactca agaccgagga ccagcaatga cactaacttt caactaatac 600

attggaccga taac 614

<210> 1836
<211> 408
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316002g02b1

<400> 1836

ctagcggatt tggatttctt taacaactaa ggttcctgtt tttaacattt taaagccaag 60

ggcttttgcc catctccaga tagctaacaa gaactctttc ttttctttac aaatcccaaa 120

acctttacta gacttttttct gcttctttag cttacttcac ctagagtctt ctacctttttc 180

ttatcattga atcaacccct ttttttttt ctttaaaca catcccaacc caaagtataa 240

gcgcccacct agtcctatct agtccgaaaa atgcgaacta gaactacatg agacactatc 300

tctgtcgtta cgaacctaac actttctacc aagcttaatc ggaataagac ctcacaaaca 360

ctcacaagtt atatagggct tgaaagaaag tctaggtttg ggtttggg 408

<210> 1837
<211> 444
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsfl9316002g03b1

<400> 1837

gttctccgac ctcttcccgc acctagcaaa tggtaagcca agaaagccaa ctgacggcat 60

tgctcatgag cagacaaaga aatgctgctg ctgctattca acgagatcga ttctaacctc 120

aaagcgccca gatcccaatg acgagctcgt cgacgatgtc caccacgttg cagtcgcgcc 180

atgggccccg aatgcgaacc ccgtcgacat ggcctggtcc gttgtgccgg tactgcgatc 240

cggcgacttg tcccattcga ccatccagtt ctcgccctcc tcgtcggcgc ttcagagctt 300

cgccgtgacc ctgcaacagg tggccccttc gaagctgtcc agccacagcc gcagcggcat 360

tgagatcctn cgtctcgacg ttgctcccct tccgctagac acggtgttcg tcaacctgga 420

gagcgaattg acaaaacggc tgga 444

<210> 1838
<211> 554
<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316002g07b1

<400> 1838

cactttgtta catctagcgg atttggattt ctttaacaac taaggttcct gtttttaaca 60

ttttaaatgt tcaagggctt ttgcccatct ccaatagcta acaagaactc tttcttttct 120

ttacaaatcc caaaaccttt actagacttt ttctgcttct ttagcttact tcacctagag 180

tcttctacct tttcttatca ttgaatcaac ccctttttt ttttctttta aacacatccc 240

aacccaaagt ataagcgccc acctagtcct atctagtccg aaaaatgcga actagaacta 300

catgagacac tatctctgtc gttacgaacc taacactttc taccaagctt aatcggaata 360

agacctcaca aacactcaca agttatatag ggcttgaaag aaagtctagg tttgggtttg 420

ggctaactgc tctaataagg agagtcagct acttggatta aaaagagtga tcaaaatgaa 480

taagaaaatc caagtatttt acggtatcca tgagttcaaa tttgatgcag acatgataat 540

taaagattag attc 554

<210> 1839
<211> 511
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316002g08b1

<400> 1839

cactttgtta catctagcgg atttggattt ctttaacaac taaggttcct gtttttaaca 60

ttttaaatcc aagggctttt gcccatctcc aagagctaac aagaactctt tcttttcttt 120

acaaatccca aaacctttac tagacttttt ctgcttcttt agcttacttc acctagagtc 180

ttctaccttt tcttatcatt gaatcaaccc ctttttttt ttcttttaaa cacatcccaa 240

cccaaagtat aagcgcccac ctagtcctat ctagtccgaa aaatgcgaac tagaactaca 300

tgagacacta tctctgtcgt tacgaaccta acactttcta ccaagcttaa tcggaataag 360

acctcacaaa cactcacaag ttatataggg ctcgaaagaa agtctaggtt tgggttcggg 420

ttaactgctc taataaggag agtcagctac ttggattaaa aagagtgatc aaaatgaata 480

agaaaatcca agtattttac ggtatccatg a 511

<210> 1840
<211> 60
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316002g10b1

<400> 1840

cactttgtta catctagcgg atttggattt ctttaacaac taaggttcct gtttttaaca 60

<210> 1841
<211> 555
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316002g11b1

<400> 1841

aacactttgt tacatctagc ggatttggat ttctttaaca actaaggttc ctgtttttaa 60

cattttaaag ccaagggctt ttgcccatct ccaatagcta acaagaactc tttcttttct 120

ttacaaatcc caaaaccttt actagacttt ttctgcttct ttagcttact tcacctagag 180

tcttctacct tttcttatca ttgaatcaac ccctttttt ttttctttta aacacatccc 240

aacccaaagt ataagcgccc acctagtcct atctagtccg aaaaatgcga actagaacta 300

catgagacac tatctctgtc gttacgaacc taacactttc taccaagctt aatcggaata 360

agacctcaca aacactcaca agttatatag ggctcgaaag aaagtctagg tttgggtttg 420

ggctaactgc tctaataagg agagtcagct acttggatta aaaagagtga tcaaaatgaa 480

taagaaaatc caagtatttt acggtatcca tgagttcaaa tttgatgcag acatgataat 540

taaagattag attca 555

<210> 1842
<211> 516
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316002g12b1

<400> 1842

acactttgtt acatctagcg gatttggatt tctttaacaa ctaaggttcc tgtttttaac 60

attttaaagc caagggcttt tgcccatctc caatagctaa caagaactct ttcttttctt 120

tacaaatccc aaaaccttta ctagactttt tctgcttctt tagcttactt cacctagagt 180

cttctacctt ttcttatcat tgaatcaacc ccttttttt tttcttttaa acacatccca 240

acccaaagta taagcgccca cctagtccta tctagtccga aaaatgcgaa ctagaactac 300

atgagacact atctctgtcg ttacgaacct aacactttct accaagctta atcggaataa 360

gacctcacaa acactcacaa gttatatagg gcttgaaaga aagtctaggt ttgggtttgg 420

gctaactgct ctaataagga gagtcagcta cttggattaa aaagagtgat caaaatgaat 480

aagaaaatcc aagtatttta cggtatccat gagttc 516

<210> 1843
<211> 488
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316002h01b1

<400> 1843

aacactttgt tacatctagc ggatttggat ttctttaaca actaaggttc ctgtttttaa 60

cattttaaag ccaagggctt ttgcccatct ccaatagcta acaagaactc tttcttttct 120

ttacaaatcc caaaaccttt actagacttt ttctgcttct ttagcttact tcacctagag 180

tcttctacct tttcttatca ttgaatcaac ccctttttt ttttctttta aacacatccc 240

aacccaaagt ataagcgccc acctagtcct atctagtccg aaaaatgcga actagaacta 300

catgagacac tatctctgtc gttacgaacc taacactttc taccaagctt aatcggaata 360

agacctcaca aacactcaca agttatatag ggcttgaaag aaagtctagg tttgggtttg 420

ggttaactgc tctaataagg agagtcagct acttggataa aaagagtgat caaaatgaat 480

aagaaaat 488

<210> 1844
<211> 371
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316002h02b1

<400> 1844

gttctccgac ctcttcccgc acctagcaaa tggtaagcca agaaagccaa ctgacggcat 60

tgcacatgag cagacaaaga aatgctgctg ctgctattca gcgagatcga ttctaacctc 120

aaggcgccca gatcccaatg acgagctcgt cgacgatgtc caccacgttg cagtcgcgcc 180

atgggccccg aatgcgaacc ccgtcgacat ggcctggtcc gttgtgccgg tactgcgatc 240

cggcgacttg tcccattcga ccatccagtt ctcgccctcc tcgtcggcgc ttcagagctt 300

cgccgggacc ctgcaacagg tggccccttc gaagctgtcc agccacagcc gcagcggcat 360

tgagatcctc g 371

<210> 1845
<211> 391
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsf19316002h03b1

<400> 1845

cactttgtta catctagcgg atttggattt ctttaacaac taaggttcct gtttttaaca 60

ttttaaagcc aagggctttt gcccatctcc aatagctaac aagaactctt tcttttcttt 120

acaaatccca aaacctttac tagacttttt ctgcttcttt agcttacttc acctagagtc 180

ttctaccttt tcttatcatt gaatcaaccc ctttttttt ttcttttaaa cacatcccaa 240

cccaaagtat aagcgcccac ctagtcctat ctagtccgaa aaatgcgaac tagaactaca 300

tgagacacta tctctgtcgt tacgaaccta acactttcta ccaagcttaa tcggaataag 360

acctcacaaa cactcacaag ttatataggg c 391

<210> 1846
<211> 315
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsf19316002h05b1

<400> 1846

tttggatttc tttaacaact aaggttcctg tttttaacat tttaaattca aggttttttg 60

cccatctcca atagctaaca agaactcttt cttttcttta caaatcccaa aacctttact 120

agacttttttc tgcttcttta gcttacttca cctagagtct tctacctttt cttatcattg 180

aatcaacccc ttttttttt tcttttaaac acatcccaac ccaaaagata agcgcccacc 240

tagtcctatc tagtccgaaa aatgcgaact agaactacat gagacactat ctctgtcgtt 300

acgaacctaa cactt 315

<210> 1847
<211> 553
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316002h07b1

<400> 1847

cactttgtta catctagcgg atttggattt ctttaacaac taaggttcct gtttttaaca 60

ttttaaagcc aagggctttt gcccatctcc aatagctaac aagaactctt tcttttcttt 120

acaaatccca aaacctttac tagacttttt ctgcttcttt agcttacttc acctagagtc 180

ttctaccttt tcttatcatt gaatcaaccc ctttttttt ttcttttaaa cacatcccaa 240

cccaaagtat aagcgcccac ctagtcctat ctagtccgaa aaatgcgaac tagaactaca 300

tgagacacta tctctgtcgt tacgaaccta acactttcta ccaagcttaa tcggaataag 360

acctcacaaa cactcacaag ttatataggg cttgaaagaa agtctaggtt tgggtttggg 420

ttaactgctc taataaggag agtcagctac ttggattaaa aagagtgatc aaaatgaata 480

agaaaatcca agtattttac ggtatccatg agttcaaatt tgatgcagac atgataatta 540

aagattagat tca 553

<210> 1848
<211> 513
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316002h08b1

<400> 1848

gttctccgac ctcttcccgc acctagcaaa tggtaagcca agaaagccaa ctgacggcat 60

tgctcatgag ctgacaaaga aatgctgctg ctgctattca acgagatcga ttctaacctc 120

aaagcgccca gatcccaatg acgagctcgt cgacgatgtc caccacgttg cagtcgcgcc 180

atgggccccg aatgcgaacc ccgtcgacat ggcctggtcc gttgtgccgg tactgcgatc 240

cggcgacttg tcccattcga ccatccagtt ctcgccctcc tcgtcggcgc ttcagagctt 300

cgccgtgacc ctgcaacagg tggccccttc gaagctgtcc agccacagcc gcagcggcat 360

tgagatcctc gtcctcgacg ttgctcccct tccgctagac acggtgttcg tcaacctgga 420

gagcgaattg acaaaacggc tggagagcgg cgagggcacc ttttacaagg accatccgac 480

aagccccaat gccaaggacg ttgccaacat gac 513

<210> 1849
<211> 524
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316002h11b1

<400> 1849

cactttgtta catctagcgg atttggattt ctttaacaac taaggttcct gtttttaaca 60

ttttaaagcc aagggctttt gcccatctcc aatagctaac aagaactctt tcttttcttt 120

acaaatccca aaacctttac tagacttttt ctgcttcttt agcttacttc acctagagtc 180

ttctaccttt tcttatcatt gaatcaaccc ctttttttt ttcttttaaa cacatcccaa 240

cccaaagtat aagcgcccac ctagtcctat ctagtccgaa aaatgcgaac tagaactaca 300

tgagacacta tctctgtcgt tacgaaccta acactttcta ccaagcttaa tcggaataag 360

acctcacaaa cactcacaag ttatataggg cttgaaagaa agtctaggtt tgggtttggg 420

ttaactgctc taataaggag agtcagctac ttggattaaa aagagtgatc aaaatgaata 480

agaaaatcca agtattttac ggtatccatg agttcaaatt tgat 524

<210> 1850
<211> 405
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316002h12b1

<400> 1850

tcaacacttt gttacatcta gcggatttgg atttctttaa caactaaggt tcctgttttt 60

aacattttaa agccaagggc ttttgcccat ctccaatagc taacaagaac tctttctttt 120

ctttacaaat cccaaaacct ttactagact ttttctgctt ctttagctta cttcacctag 180

agtcttctac cttttcttat cattgaatca acccctttt ttttttcttt taaacacatc 240

ccaacccaaa gtataagcgc ccacctagtc ctatctagtc cgaaaaatgc gaactagaac 300

tacatgagac actatctctg tcgttacgaa cctaacactt tctaccaagc ttaatcggaa 360

taagacctca caaacactca caagttatat agggcttgaa agaaa 405

<210> 1851
<211> 501
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsf19316003a01b1

<400> 1851

cactttgtta catctagcgg atttggattt ctttaacaac taaggttcct gtttttaaca 60

ttttaaagcc aagggctttt gcccatctcc aatagctaac aagaactctt tcttttcttt 120

acaaatccca aaacctttac tagacttttt ctgcttcttt agcttacttc acctagagtc 180

ttctaccttt tcttatcatt gaatcaaccc ctttttttt ttcttttaaa cacatcccaa 240

cccaaagtat aagcgcccac ctagtcctat ctagtccgaa aaatgcgaac tagaactaca 300

tgagacacta tctctgtcgt tacgaaccta acactttcta ccaagcttaa tcggaataag 360

acctcacaaa cactcacaag ttatataggg cttgaaagaa agtctaggtt tgggtttggg 420

ctaactgctc taataaggag agtcagctac ttggattaaa aagagtgatc aaaatgaata 480

agaaaatcca agtattttac g 501

<210> 1852
<211> 568
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsf19316003a02b1

<400> 1852

acactttgtt acatctagcg gatttggatt tctttaacaa ctaaggttcc tgtttttaac 60

attttaatgc caagggcttt tgcccatctc caatagctaa caagaactct ttcttttctt 120

tacaaatccc aaaaccttta ctagactttt tctgcttctt tagcttactt cacctagagt 180

cttctacctt ttcttatcat tgaatcaacc ccttttttt tttcttttaa acacatccca 240

acccaaagta taagcgccca cctagtccta tctagtccga aaaatgcgaa ctagaactac 300

atgagacact atctctgtcg ttacgaacct aacactttct accaagctta atcggaataa 360

gacctcacaa acactcacaa gttatatagg gcttgaaaga aagtctaggt ttgggtttgg 420

gttaactgct ctaataagga gagtcagcta cttggattaa aaagagtgat caaaatgaat 480

aagaaaatcc aagtatttta cggtatccat gagttcaaat ttgatgcaga catgataatt 540

aaagattaga ttcaggttca aattgata 568

<210> 1853
<211> 556
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316003a06b1

<400> 1853

tcaacacttt gttacatcta gcggatttgg atttctttaa caactaaggt tcctgttttt 60

aacattttaa agccaagggc ttttgcccat ctccaatagc taacaagaac tctttctttt 120

ctttacaaat cccaaaacct ttactagact ttttctgctt ctttagctta cttcacctag 180

agtcttctac cttttcttat cattgaatca acccctttt ttttttcttt taaacacatc 240

ccaacccaaa gtataagcgc ccacctagtc ctatctagtc cgaaaaatgc gaactagaac 300

tacatgagac actatctctg tcgttacgaa cctaacactt tctaccaagc ttaatcggaa 360

taagacctca caaacactca caagttatat agggcttgaa agaaagtcta ggtttgggtt 420

tgggttaact gctctaataa ggagagtcag ctacttggat taaaaagagt gatcaaaatg 480

aataagaaaa tccaagtatt ttacggtatc catgagttca aatttgatgc agacatgata 540

attaaagatt agattc 556

<210> 1854
<211> 522
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316003a07b1

<400> 1854

acactttgtt acatctagcg gatttggatt tctttaacaa ctaaggttcc tgtttttaac 60

attttaaagc caagggcttt tgcccatctc caatagctag caagaactct ttcttttctt 120

tacaaatccc aaaaccttta ctagactttt tctgcttctt tagcttactt cacctagagt 180

cttctacctt ttcttatcat tgaatcaacc ccttttttt tttcttttaa acacatccca 240

acccaaagta taagcgccca cctagtccta tctagtccga aaaatgcgaa ctagaactac 300

atgagacact atctctgtcg ttacgaacct aacactttct accaagctta atcggaataa 360

gacctcacaa acactcacaa gttatatagg gcttgaaaga aagtctaggt ttgggtttgg 420

gttaactgct ctaataagga gagtcagcta cttggattaa aaagagtgat caaaatgaat 480

aagaaaatcc aagtatttta cggtatccat gagttcaaat tt 522

<210> 1855
<211> 438
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316003a08b1

<400> 1855

gccaagaaag ccaactgacg gcattgcaca tgatttgaca atgaaatgct gctgctgcta 60

ttcaacgaga tcgattctaa cctcaaggcg cccagatccc aatgacgagc tcgtcgacga 120

tgtccaccac gttgcagtcg cgccatgggc cccgaatgcg aaccccgtcg acatggcctg 180

gtccgttgtg ccggtactgc gatccggcga cttgtcccat tcgaccatcc agttctcgcc 240

ctcctcgtcg gcgcttcaga gcttcgccgt gaccctgcaa caggtggccc cttcgaagct 300

gtccagccac agccgcagcg ggattgagat cctcgtcctc gacgttgctc cccttccgct 360

agacacggtg ttcgtcaacc tggagagcga attgacaaaa cggctggaga gcggcgaggg 420

caccttttac aaggacca 438

<210> 1856
<211> 391
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316003a09b1

<400> 1856

tttgttacat ctagcggatt tggatttctt taacaactaa ggttcctgtt tttaacattt 60

taaatccaag ggcttttgcc catctccaat agctaacaag aactctttct tttctttaca 120

aatcccaaaa cctttactag acttttttctg cttctttagc ttacttcacc tagagtcttc 180

tacctttttct tatcattgaa tcaaccccctt ttttttttttc ttttaaacac atcccaaccc 240

aaagtataag cgcccaccta gtcctatcta gtccgaaaaa tgcgaactag aactacatga 300

gacactatct ctgtcgttac gaacctaaca ctttctacca agcttaatcg gaataagacc 360

tcacaaacac tcacaagtta tatagggctt g 391

<210> 1857
<211> 429
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsf19316003a10b1

<400> 1857

cacctagcaa atggtaagcc aagaaagcca actgacggca ttgcacatga tttgacattt 60

aaatgctgct gctgctattc aacgagatcg attctaacct caaagcgccc agatcccaat 120

gacgagctcg tcgacgatgt ccaccacgtt gcagtcgcgc catgggcccc gaatgcgaac 180

cccgtcgaca tggcctggtc cgttgtgccg gtactgcgat ccggcgactt gttccattcg 240

accatccagt tctcgccctc ctcgtcggcg cttcacagct tagccgcgac cctgcaacag 300

gtggcccctt cgaagctgtc cagccacagc cgcagcggca ttgagatcct cgtcctcgac 360

gttgctcccc ttgcgctaga cacggtgttc gtcaacctgg agagcgaatt gacaaaacag 420

ctggagagc 429

<210> 1858
<211> 539
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsf19316003a11b1

<400> 1858

caacactttg ttacatctag cggatttgga tttctttaac aactaaggtt cctgttttta 60

acattttaat gccaagggct tttgcccatc tccaatagct aacaagaact ctttcttttc 120

tttacaaatc ccaaaacctt tactagactt tttctgcttc tttagcttac ttcacctaga 180

gtcttctacc ttttcttatc attgaatcaa ccccttttt tttttctttt aaacacatcc 240

caacccaaag tataagcgcc cacctagtcc tatctagtcc gaaaaatgcg aactagaact 300

acatgagaca ctatctctgt cgttacgaac ctaacacttt ctaccaagct taatcggaat 360

aagacctcac aaacactcac aagttatata gggcttgaaa gaaagtctag gtttgggttt 420

gggttaactg ctctaataag gagagtcagc tacttggatt aaaaagagtg atcaaaatga 480

ataagaaaat ccaagtattt tacggtatcc atgagttcaa atttgatgca gacatgata 539

<210> 1859
<211> 555
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsf19316003a12b1

<400> 1859

aacactttgt tacatctagc ggatttggat ttctttaaca actaaggttc ctgtttttaa 60

cattttaatg ccaagggctt ttgcccatct ccaatagcta acaagaactc tttcttttct 120

ttacaaatcc caaaaccttt actagacttt ttctgcttct ttagcttact tcacctagag 180

tcttctacct tttcttatca ttgaatcaac ccctttttt ttttctttta aacacatccc 240

aacccaaagt ataagcgccc acctagtcct atctagtccg aaaaatgcga actagaacta 300

catgagacac tatctctgtc gttacgaacc taacactttc taccaagctt aatcggaata 360

agacctcaca aacactcaca agttatatag ggcttgaaag aaagtctagg tttgggtttg 420

ggttaactgc tctaataagg agagtcagct acttggatta aaaagagtga tcaaaatgaa 480

taagaaaatc caagtatttt acggtatcca tgagttcaaa tttgatgcag acatgataat 540

taaagattag attca 555

<210> 1860
<211> 538
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsf19316003b01b1

<400> 1860

tgttacatct agcggatttg gatttcttta acaactaagg ttcctgtttt taacatttta 60

aagccaaggt cttttgccca tctccaatag ctaacaagaa ctctttcttt tctttacaaa 120

tcccaaaacc tttactagac tttttctgct tctttagctt acttcaccta gagtcttcta 180

ccttttctta tcattgaatc aacccctttt ttttttttctt ttaaacacat cccaacccaa 240

agtataagcg cccacctagt cctatctagt ccgaaaaatg cgaactagaa ctacatgaga 300

cactatctct gtcgttacga acctaacact ttctaccaag cttaatcgga ataagacctc 360

acaaacactc acaagttata tagggcttga aagaaagtct aggtttgggt ttgggttaac 420

tgctctaata aggagagcca gctacttgga ttaaaaagag tgatcaaaat gaataagaaa 480

atccaagtat tttacggtat ccatgagttc aaatttgatg cagacatgat aattaaag 538

<210> 1861
<211> 502
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316003b02b1

<400> 1861

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attttaaagc caagggcttt tgcccatctc caatagctaa caagaactct ttcttttctt 120

tacaaatccc aaaaccttta ctagactttt tctgcttctt tagcttactt cacctagagt 180

cttctacctt ttcttatcat tgaatcaacc ccttttttttt tttcttttaa acacatccca 240

acccaaagta taagcgccca cctagtccta tctagtccga aaaatgcgaa ctagaactac 300

atgagacact atctctgtcg ttacgaacct aacactttct accaagctta atcggaataa 360

gacctcacaa acactcacaa gttatatagg gcttgaaaga aagtctaggt ttgggtttgg 420

gttaactgct ctaataagga gagtcagcta cttggattaa aaagagtgat caaaatgaat 480

aagaaaatcc aagtatttta cg 502

<210> 1862
<211> 514
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316003b03b1

<400> 1862

cactttgtta catctagcgg atttggattt ctttaacaac taaggttcct gtttttaaca 60

ttttaattcc aagggctttt gcccatctcc aatagctaac aagaactctt tcttttcttt 120

acaaatccca aaacctttac tagacttttt ctgcttcttt agcttacttc acctagagtc 180

ttctaccttt tcttatcatt gaatcaaccc ctttttttt ttcttttaaa cacatcccaa 240

cccaaagtat aagcgcccac ctagtcctat ctagtccgaa aaatgcgaac tagaactaca 300

tgagacacta tctctgtcgt tacgaaccta acactttcta ccaagcttaa tcggaataag 360

acctcacaaa cactcacaag ttatataggg cttgaaagaa agtctaggtt tgggtttggg 420

ttaactgctc taataaggag agtcagctac ttggattaaa aagagtgatc aaaatgaata 480

agaaaatcca agtattttac ggtatccatg agtt 514

<210> 1863
<211> 412
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsf19316003b04b1

<400> 1863

cttacgcgtg cggcaccttg agcttgaggt cagtggcagg caggcaagca agaaagtaag 60

aagaagaaga agataggaca tggcatctgc tactctcctc aagtcctact tgctccccaa 120

gaaggccgaa tggggcgtcg cgcgccaggt cgccgccccg agggtgtcca tggtcgtccg 180

cgccggcgcc tacgacgatg agctcgtcaa gaccgcgaaa accatcgcgt cgccggggcg 240

cgggatcctg gccatggacg agtgcaacgc cacctgcggg aagcgcctcg actcgatcgg 300

cctggagaac acagaggcga accggcaggc gttccgcacg ctgctggtct tcgtccctgg 360

cctcggcaac cacatcttcg gcgccatgct cttcgaggag acgctctacc ag 412

<210> 1864
<211> 464
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsf19316003b05b1

<400> 1864

gttctccgat ctcttcccgc acctagcaaa tggtaagcca agaaagccaa ctgacggcat 60

tgctcatgag ttgacaaaga aatgctgctg ctgctattca acgagatcga ttctaacctc 120

aaagggccca gatcccaatg acgagctcgt cgacgatgtc caccacgttg cagtcgcgcc 180

atgggccccg aatgcgaacc ccgtcgacat ggcctggtcc gttgtgccgg tactgcgatc 240

cggcgacttg tcccattcga ccatccagtt ctcgccctcc tcgtcggcgc ttcagagctt 300

cgccgtgacc ctgcaacagg tggccccttc gaagctgtcc agccacagcc gcagcggcat 360

tgagatcctc gtcctcgacg ttgctcccct tccgctagac acggtgtttc gtaacctgga 420

gagcgaattg acaaaacggc tggagagcgg cgagggcacc tttt 464

<210> 1865
<211> 513
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316003b06b1

<400> 1865

gttctccgac ctcttcccgc acctagcaaa tggtaagcca agaaagccaa ctgacggcat 60

tgttcatgag ctgacaaaga aatgctgctg ctgctattca acgagatcga ttctaacctc 120

aaagcgccca gatcccaatg acgagctcgt cgacgatgtc caccacgttg cagtcgcgcc 180

atgggccccg aatgcgaacc ccgtcgacat ggcctggtcc gttgtgccgg tactgcgatc 240

cggcgacttg tcccattcga ccatccagtt ctcgccctcc tcgtcggcgc ttcagagctt 300

cgccgtgacc ctgcaacagg tggccccttc gaagctgtcc agccacagcc gcagcgggat 360

tgagatcctc gtcctcgacg ttgctcccct tccgctagac acggtgttcg tcaacctgga 420

gagcgaattg acaaaacggc tggagagcgg cgagggcacc ttttacaagg accatccgac 480

aagccccaat gccaaggacg ttgccaacat gac 513

<210> 1866
<211> 551
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316003b07b1

<400> 1866

actttgttac atctagcgga tttggatttc tttaacaact aaggttcctg tttttaacat 60

tttaaatcca agggcttttg cccatctcca atagctaaca agaactcttt cttttcttta 120

caaatcccaa aacctttact agacttttttc tgcttcttta gcttacttca cctagagtct 180

tctacctttt cttatcattg aatcaacccc ttttttttttt tcttttaaac acatcccaac 240

ccaaagtata agcgcccacc tagtcctatc tagtccgaaa aatgcgaact agaactacat 300

gagacactat ctctgtcgtt acgaacctaa cactttctac caagcttaat cggaataaga 360

cctcacaaac actcacaagt tatatagggc ttgaaagaaa gtctaggttt gggtttgggt 420

taactgctct aataaggaga gtcagctact tggattaaaa agagtgatca aaatgaataa 480

gaaaatccaa gtattttacg gtatccatga gttcaaattt gatgcagaca tgataattaa 540

agattagatt c 551

<210> 1867
<211> 515
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsf19316003b09b1

<400> 1867

tcaacacttt gttacatcta gcggatttgg atttctttaa caactaaggt tcctgttttt 60

aacattttaa ttccaagggc ttttgcccat ctccaatagc taacaagaac tctttctttt 120

ctttacaaat cccaaaacct ttactagact ttttctgctt ctttagctta cttcacctag 180

agtcttctac cttttcttat cattgaatca acccctttt ttttttcttt taaacacatc 240

ccaacccaaa gtataagcgc ccacctagtc ctatctagtc cgaaaaatgc gaactagaac 300

tacatgagac actatctctg tcgttacgaa cctaacactt tctaccaagc ttaatcggaa 360

taagacctca caaacactca caagttatat agggcttgaa agaaagtcta ggtttgggtt 420

tgggttaact gctctaataa ggagagtcag ctacttggat taaaaagagt gatcaaaatg 480

aataagaaaa tccaagtatt ttacggtatc catga 515

<210> 1868
<211> 466
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsf19316003b10b1

<400> 1868

tttgttacat ctagcggatt tggatttctt taacaactaa ggttcctgtt tttaacattt 60

taattccaag ggcttttgcc catctccaat agctaacaag aactctttct tttctttaca 120

aatcccaaaa cctttactag acttttttctg cttctttagc ttacttcacc tagagtcttc 180

taccttttct tatcattgaa tcaaccccctt ttttttttttc ttttaaacac atcccaaccc 240

aaagtataag cgcccaccta gtcctatcta gtccgaaaaa tgcgaactag aactacatga 300

gacactatct ctgtcgttac gaacctaaca ctttctacca agcttaatcg gaataagacc 360

tcacaaacac tcacaagtta tatagggctt gaaagaaagt ctaggtttgg gtttgggtta 420

actgctctaa taaggagagt cagctacttg gattaaaaag agtgat 466

<210> 1869
<211> 227
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsf19316003b11b1

<400> 1869

ttgcacatga gttgacattg aaatgctgct gctgctattc aacgagatcg attctaacct 60

caaggcgccc agatcccaat gacgagctcg tcgacgatgt ccaccacgtt gcagtcgcgc 120

catgggcccc gaatgcgaac cccgtcgaca tggcctggtc cgttgtgccg gtactgcgat 180

ccggcgactt gtcccattcg accatccagt tctcgccctc ctcgtcg 227

<210> 1870
<211> 488
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsf19316003b12b1

<400> 1870

ttctccgttc tcttcccgca cctagcaaat ggtaagccaa gatagccaac tgactgcatt 60

gttcatgagt ttgacaaaga aatgctgctg ctgctattca acgagatcga ttctaacctc 120

aaagcgccca gatcccaatg acgagctcgt cgacgatgtc caccacgttg cagtcgcgcc 180

atgggccccg aatgcgaacc ccgtcgacat ggcctggtcc gttgtgccgg tactgcgatc 240

cggcgacttg tcccattcga ccatccagtt ctcgccctcc tcgtcggcgc ttcagagctt 300

cgccgtgacc ctgcaacagg tggccccttc gaagctgtcc agccacagcc gcagcggcat 360

tgagatcctc gtcctcgacg ttgctcccct tccgctagac acggtgttcg tcaacctgga 420

gagcgaattg acaaaacggc tggagagcgg cgagggcacc ttttacaagg accatccgac 480

aagcccca 488

<210> 1871
<211> 405
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316003c01b1

<400> 1871

gatttaccga tccaaagggt ttcaagcttg agttccactt caataccaat ccattcttca 60

agaatgaagt gcttacgaaa acgtaccaca tgatcgatga agatgaacca atccttgaga 120

aggccattgg tactgaaatt gaatggtgcc ctggaaagag cttgacacaa aaggtgctaa 180

agaagaagcc aaagaagggg tcaaagaaca ctaaacctat cacgaagatt gaaaattgcg 240

agagcttctt taatttcttc agtccacctc aagttcctga tgatgatgag gaaattgatg 300

aggatacagc tgaacagttg cagaaccaaa tggagcaaga ttatgatatt ggatctacca 360

tcagagacaa gattattcca catgctgttt catggttcac tggag 405

<210> 1872
<211> 499
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316003c02b1

<400> 1872

cactttgtac atctagcgga tttggatttc tttaacaact aaggttcctg tttttaacat 60

tttaaagcca agggcttttg cccatctcca atagctaaca agaactcttt cttttcttta 120

caaatcccaa aacctttact agacttttttc tgcttcttta gcttacttca cctagagtct 180

tctacctttt cttatcattg aatcaacccc ttttttttt tcttttaaac acatcccaac 240

ccaaagtata agcgcccacc tagtcctatc tagtccgaaa aatgcgaact agaactacat 300

gagacactat ctctgtcgtt acgaacctaa cactttctac caagcttaat cggaataaga 360

cctcacaaac actcacaagt tatatagggc ttgaaagaaa gtctaggttt gggtttgggt 420

taactgctct aataaggaga gtcagctact tggattaaaa agagtgatca aaatgaataa 480

gaaaatccaa gtattttac 499

<210> 1873
<211> 343
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsf19316003c06b1

<400> 1873

ccatctaatg tctttattaa tatgaactag aatcctgcgc catgcaggat tttgtttacc 60

tgctgctacg atagtcacac ctactgcatg cgcaaaggca agtgtcgaga tcacatttgg 120

ttgctgagtg ttgggagtca aaaattgatg ttggggattt gtatttttac cgtgtaagag 180

tagggtcggc atctatctat ctatagaata aggcctccag ttgcaatctg atggttgtat 240

catctccaca ctggagcatg tacttgtatc cccgtggcgc aaatttgtgc aacctatcta 300

tattgtactt atttgtcccc aaacattgtg atgataattt tta 343

<210> 1874
<211> 592
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsf19316003c07b1

<400> 1874

tcaacacttt gttacatcta gcggatttgg atttctttaa caactaaggt tcctgttttt 60

aacattttaa agccaagggc ttttgcccat ctccaatagc taacaagaac tctttctttt 120

ctttacaaat cccaaaacct ttactagact ttttctgctt ctttagctta cttcacctag 180

agtcttctac cttttcttat cattgaatca acccctttt ttttttcttt taaacacatc 240

ccaacccaaa gtataagcgc ccacctagtc ctatctagtc cgaaaaatgc gaactagaac 300

tacatgagac actatctctg tcgttacgaa cctaacactt tctaccaagc ttaatcggaa 360

taagacctca caaacactca caagttatat agggcttgaa agaaagtcta ggtttgggtt 420

tgggttaact gctctaataa ggagagtcag ctacttggat taaaaagagt gatcaaaatg 480

aataagaaaa tccaagtatt ttacggtatc catgagttca aatttgatgc agacatgata 540

attaaagatt agattcaggt tcaaattgat agggaatggt atcagatcat ga 592

<210> 1875
<211> 437
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316003c08b1

<400> 1875

tcttcccgca cctagcaaat ggtaagccaa gaaagccaac tgacggcatt gcacatgagt 60

agacaatgaa atgctgctgc tgctattcaa cgagatcgat tctaacctca aagcgcccag 120

atcccaatga cgagctcgtc gacgatgtcc accacgttgc agtcgcgcca tgggccccga 180

atgcgaaccc cgtcgacatg gcctggtccg ttgtgccggt actgcgatcc ggcgacttgt 240

cccattcgac catccagttc tcgccctcct cgtcggcgct tcagagcttc gccgtgaccc 300

tgcaacaggt ggcccccttcg aagctgtcca gccacagccg cagcggcatt gagatcctcg 360

tcctcgacgt tgctcccctt ccgctagaca cggtgttcgt caacctggag agcgaattga 420

caaaacggct ggagagc 437

<210> 1876
<211> 408
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316003c10b1

<400> 1876

atctagcgga tttggatttc tttaacaact aaggttcctg tttttaacat tttaaatcca 60

agggcttttg cccatctcca atagctgaca agaactcttt cttttcttta caaatcccaa 120

aacctttact agacttttttc tgcttcttta gcttacttca cctagagtct tctacctttt 180

cttatcattg aatcaacccc ttttttttttt tcttttaaac acatcccaac ccaaagtata 240

agcgcccacc tagtcctatc tagtccgaaa aatgcgaact agaactacat gagacactat 300

ctctgtcgtt acgaacctaa cactttctac caagcttaat cggaataaga cctcacaaac 360

actcacaagt tatatagggc ttgaaagaaa gtctaggttt gggtttgg 408

<210> 1877
<211> 229
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsf19316003c11b1

<400> 1877

tgcacatgag ttttcattga aatgctgctg ctgctattca acgagagcga ttctaacctc 60

aaagcgccca gatcccaatg acgagctcgt cgacgttgtc caccacgttg cagtcgcgcc 120

atgggccccg aatgcgaacc ccgtcgacat ggcctggtcc gttgtgccgg tactgcgatc 180

cggcgacttg ttccattcga ccatccagtt ctcgccctcc tcgtcggcg 229

<210> 1878
<211> 490
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsf19316003c12b1

<400> 1878

aacactttgt tacatctagc gcgatttgga tttctttaac aactaaggtt cctgttttta 60

acattttatt tccaagggct tttgcccatc tccaatagct aacaagaact ctttcttttc 120

tttacaaatc ccaaaacctt tactagactt tttctgcttc tttagcttac ttcacctaga 180

gtcttctacc ttttcttatc attgaatcaa ccccttttt ttttttcttt aaacacatcc 240

caacccaaag tataagcgcc cacctagtcc tatctagtcc gaaaaatgcg aactagaact 300

acatgagaca ctatctctgt cgttacgaac ctaacacttt ctaccaagct taatcggaat 360

aagacctcac aaacactcac aagttatata gggcttgaaa gaaagtctag gtttgggttt 420

gggttaactg ctctaataag gagagtcagc tacttggatt aaaaagagtg atcaaaatga 480

ataagaaaat 490

<210> 1879
<211> 507
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316003d01b1

<400> 1879

cttcccgcac ctagcaaatg gtaagccaag aaagccaact gacggcattg cacatgagtt 60

gacaatgtaa tgctgctgct gctattcaac gagatcgatt ctaacctcaa agcgcccaga 120

tcccaatgac gagctcgtcg acgatgtcca ccacgttgca gtcgcgccat gggccccgaa 180

tgcgaacccc gtcgacatgg cctggtccgt tgtgccggta ctgcgatccg gcgacttgtc 240

ccattcgacc atccagttct cgccctcctc gtcggcgctt cagagcttcg ccgtgaccct 300

gcaacaggtg gccccttcga agctgttcag ccacagccgc agcggcattg agatcctcgt 360

cctcgacgtt gctcccccttc cgctagacac ggtgttcgtc aacctggaga gcgaattgac 420

aaaacggctg gagagcggcg agggcacctt ttacaaggac catccgacaa gccccaatgc 480

caaggacgtt gccaacatga cgcccga 507

<210> 1880
<211> 306
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316003d02b1

<400> 1880

gctgctgctg ctattcaacg agatcgattt taaccttaaa gcgcccagat cccaatgacg 60

agctcgtcga cgatgttcac cacgttgcag tcgcgccatg ggccccgaat gcgaaccccg 120

tcgacatggc ctggtccgtt gtgccggtac tgcgatccgg cgacttgtcc cattcgacca 180

tccagttctc gccctcctcg tcggcgcttc agagcttcgc cgtgaccctg ctacaggtgg 240

ccccttcgaa gctgttcagt cacagccgta gtggcattga gatcctcgac ctcgacgttg 300

ctcccc 306

<210> 1881
<211> 514
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316003d03b1

<400> 1881

ttctccgttc tcttcccgca cctagcaaat ggtaagccaa gaaagccaac tgacggcatt 60

gctcatgagt tgacaaagaa atgctgctgc tgctattcaa cgagatcgat tctaacctca 120

aagcgcccag atcccaatga cgagctcgtc gacgatgtcc accacgttgc agtcgcgcca 180

tgggccccga atgcgaaccc cgtcgacatg gcctggtccg ttgtgccggt actgcgatcc 240

ggcgacttgt cccattcgac catccagttc tcgccctcct cgtcggcgct tcagagcttc 300

gccgtgaccc tgcaacaggt ggccccttcg aagctgtcca gccacagccg cagcggcatt 360

gagatcctcg tcctcgacgt tgctcccctt ccgctagaca cggtgttcgt caacctggag 420

agcgaattga caaaacggct ggagagcggc gagggcacct tttacaagga ccatccgaca 480

agccccaatg ccaaggacgt tgccaacatg acgc 514

<210> 1882
<211> 541
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316003d04b1

<400> 1882

tcaacacttt gttacatcta gcggatttgg atttctttaa caactaaggt tcctgttttt 60

aacattttaa ttccaagggc ttttgcccat ctccaatagc taacaagaac tctttctttt 120

ctttacaaat cccaaaacct ttactagact ttttctgctt ctttagctta cttcacctag 180

agtcttctac cttttcttat cattgaatca acccctttt ttttttcttt taaacacatc 240

ccaacccaaa gtataagcgc ccacctagtc ctatctagtc cgaaaaatgc gaactagaac 300

tacatgagac actatctctg tcgttacgaa cctaacactt tctaccaagc ttaatcggaa 360

taagacctca caaacactca caagttatat agggcttgaa agaaagtcta ggtttgggtt 420

ctgggttaac tgctctaata aggagagtca gctacttgga ttaaaaagag tgatcaaaat 480

gaataagaaa atccaagtat tttacggtat ccatgagttc aaatttgatg cagacatgat 540

a 541

<210> 1883
<211> 466
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsf19316003d05b1

<400> 1883

ttctccgatc tcttcccgca cctagcaaat ggtaagccaa gaaagccaac tgacggcatt 60

gctcatgatt tgacaaagaa atgctgctgc tgctattcaa cgagatcgat tctaacctca 120

aagcgcccag atcccaatga cgagctcgtc gacgatgtcc accacgttgc agtcgcgcca 180

tgggccccga atgcgaaccc cgtcgacatg gcctggtccg ttgtgccggt actgcgatcc 240

ggcgacttgt cccattcgac catccagttc tcgccctcct cgtcggcgct tcagagcttc 300

gccgtgaccc tgcaacaggt ggcccttcg aagctgtcca gccacagccg cagcggcatt 360

gagatcctcg tcctcgacgt tgctcccctt ccgctagaca cggtgttcgt caacctggag 420

agcgaattga caaaacggct ggagagcggc gagggcacct tttaca 466

<210> 1884
<211> 521
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsf19316003d07b1

<400> 1884

tttgttacat ctagcggatt tggatttctt taacaactaa ggttcctggt tttaacattt 60

taatgccaag ggcttttgcc catctccaat agctaacaag aactctttct tttctttaca 120

aatcccaaaa cctttactag acttttttctg cttctttagc ttacttcacc tagagtcttc 180

taccttttct tatcattgaa tcaaccccctt ttttttttttc ttttaaacac atcccaaccc 240

aaagtataag cgcccaccta gtcctatcta gtccgaaaaa tgcgaactag aactacatga 300

gacactatct ctgtcgttac gaacctaaca ctttctacca agcttaatcg gaataagacc 360

tcacaaacac tcacaagtta tatagggctt gaaagaaagt ctaggtttgg gtttgggtta 420

actgctctaa taaggagagt cagctacttg gattaaaaag agtgatcaaa atgaataaga 480

aaatccaagt attttacggt atccatgagt tcaaatttga t 521

<210> 1885
<211> 484
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316003d08b1

<400> 1885

tttgttacat ctagcggatt tggatttctt taacaactaa ggttcctgtt tttaacattt 60

taatgccaag ggcttttgcc catctccaat agctaacaag aactctttct tttctttaca 120

aatcccaaaa cctttactag actttttctg cttctttagc ttacttcacc tagagtcttc 180

taccttttct tatcattgaa tcaaccccct ttttttttttc ttttaaacac atcccaaccc 240

aaagtataag cgcccaccta gtcctatcta gtccgaaaaa tgcgaactag aactacatga 300

gacactatct ctgtcgttac gaacctaaca ctttctacca agcttaatcg gaataagacc 360

tcacaaacac tcacaagtta tatagggctt gaaagaaagt ctaggtttgg gtttgggtta 420

actgctctaa taaggagagt cagctacttg gattaaaaag agtgatcaaa atgaataaga 480

aaat 484

<210> 1886
<211> 479
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316003d10b1

<400> 1886

aacctcactg cttgtttcct gaaaccacag gtgttgaact tatggggata ctatccactc 60

attctaatag gatcatgggc attcggcact attaaccgta tccatgattt catcgagcca 120

gggcataaga tcttctggct ctcagttctt gacgttggga cagctgcact aatggtagca 180

aacctatcaa ataaataagt tataaaattc gccatagatc atctttgctc ttcccgagtc 240

gatgttctga atgttgtatt ttcagggctt gttcaattca atagcctatg gtttcaacag 300

ctcagtgcgt cgagcaatcc atgagagact ggagctgtaa gtcaccaccg atctctttgg 360

tttgctatat tattcccaat aatcaatgaa gcttgatttt tatgaaaccc ttggtctgct 420

agattcttgc cagaacggct atatcgatgg cttccaagca atttcagacc aaaaaacca 479

<210> 1887
<211> 502
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsf19316003e01b1

<400> 1887

cttcccgcac ctagcaaatg gtaagccaag aaagccaact gacggcattg cacatgagct 60

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tcccaatgac gagctcgtcg acgatgtcca ccacgttgca gtcgcgccat gggccccgaa 180

tgcgaacccc gtcgacatgg cctggtccgt tgtgccggta ctgcgatccg gcgacttgtc 240

ccattcgacc atccagttct cgccctcctc gtcggcgctt cagagcttcg ccgtgaccct 300

gcaacaggtg gccccttcga agctgtccag ccacagccgc agcggcattg agatcctcgt 360

cctcgacgtt gctccccttc cgctagacac ggtgttcgtc aacctggaga gcgaattgac 420

aaaacggctg gagagcggcg agggcacctt ttacaaggac catccgacaa gccccaatgc 480

caaggacgtt gccaacatga cg 502

<210> 1888
<211> 420
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsf19316003e03b1

<400> 1888

aacactttgt tacatctagc ggatttggat ttctttaaca actaaggttc ctgtttttaa 60

cattttaatg ccaagggctt ttgcccatct ccaatagcta acaagaactc tttcttttct 120

ttacaaatcc caaaaccttt actagacttt ttctgcttct ttagcttact tcacctagag 180

tcttctacct tttcttatca ttgaatcaac ccctttttt ttttctttta aacacatccc 240

aacccaaagt ataagcgccc acctagtcct atctagtccg aaaaatgcga actagaacta 300

catgagacac tatctctgtc gttacgaacc taacactttc taccaagctt aatcggaata 360

agacctcaca aacactcaca agttatatag ggcttgaaag aaagtctagg tttgggtttg 420

<210> 1889
<211> 429
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsf19316003e05b1

<400> 1889

tcttcccgca cctagcaaat ggtaagccaa gaaagccaac tgacggcatt gttcatgatt 60

tgacaaagaa atgctgctgc tgctattcaa cgagatcgat tctaacctca aagcgcccag 120

atcccaatga cgagctcgtc gacgatgtcc accacgttgc agtcgcgcca tgggccccga 180

atgcgaaccc cgtcgacatg gcctggtccg ttgtgccggt actgcgatcc ggcgacttgt 240

cccattcgac catccagttc tcgccctcct cgtcggcgct tcagagcttc gccgtgaccc 300

tgcaacaggt ggccccttcg aagctgtcca gccacagccg cagcggcatt gagatcctcg 360

acctcgacgt tgctcccctt ccgttagaca cggtgttcgt caacctggag agcgaattga 420

caaaacggc 429

<210> 1890
<211> 154
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsf19316003e09b1

<400> 1890

tgcacatgag ttgacaatga aatgctgctg ctgctattca acgagagcga ttttaacctc 60

aaagcgccca gatcccaatg acgagctcgt cgtcgatgtc caccacgttg cagtcgcgcc 120

atgggcctcg aatgcgaacc ccgtcgacat ggcc 154

<210> 1891
<211> 436
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsf19316003e10b1

<400> 1891

tagatcatgt ggctggattt catcattaaa acctcactgc ttgtttcctg aaaccacagg 60

tgttgaattg atggggatac tatccactca ttctaatagg atcatgggca ttcggcacta 120

ttaaccgtat ccatgatttc atcgagccag ggcataagat cttctggctc tcagttcttg 180

acgttgggac agctgcacta atggtagcaa acctatcaaa taaataagtt ataaaattcg 240

ccatagatca tctttgctct tcccgagtcg atgttctgaa tgttgtattt tcagggcttg 300

ttcaattcaa tagcctatgg tttcaacagc tcagtgcgtc gagcaatcca tgagagactg 360

gagctgtaag tcaccaccga tctctttggt ttgctatatt attcccaata atcaatgaag 420

cttgattttt atgaaa 436

<210> 1892
<211> 553
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsf19316003f01b1

<400> 1892

acactttgtt acatctagcg gatttggatt tctttaacaa ctaaggttcc tgtttttaac 60

attttaatgc caagggcttt tgcccatctc caatagctaa caagaactct ttcttttctt 120

tacaaatccc aaaaccttta ctagactttt tctgcttctt tagcttactt cacctagagt 180

cttctacctt ttcttatcat tgaatcaacc ccttttttt tttcttttaa acacatccca 240

acccaaagta taagcgccca cctagtccta tctagtccga aaaatgcgaa ctagaactac 300

atgagacact atctctgtcg ttacgaacct aacactttct accaagctta atcggaataa 360

gacctcacaa acactcacaa gttatatagg gcttgaaaga aagtctaggt ttgggtttgg 420

gttaactgct ctaataagga gagtcagcta cttggattaa aaagagtgat caaaatgaat 480

aagaaaatcc aagtatttta cggtatccat gagttcaaat ttgatgcaga catgataatt 540

aaagattaga ttc 553

<210> 1893
<211> 306
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsf19316003f02b1

<400> 1893

tcttcccgca cctagcaaat ggtaagccaa gaaagccaac tgacggcatt gtacatgagc 60

tgacaaagaa atgctgctgc tgctattcaa cgagatcgat tctaacctca aagcgcccag 120

atcccaatga cgagctcgtc gacgatgtcc accacgttgc agtcgcgcca tgggccccga 180

atgcgaaccc cgtcgacatg gcctggtccg ttgtgccggt actgcgatcc ggcgacttgt 240

cccattcgac catccagttc tcgccctcct cgtcggcgct tcagagcttc gccgtgaccc 300

tgcaac 306

<210> 1894
<211> 465
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316003f04b1

<400> 1894

aacactttgt tacatctagc ggatttggat ttctttaaca actaaggttc ctgtttttaa 60

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ttacaaatcc caaaaccttt actagacttt ttctgcttct ttagcttact tcacctagag 180

tcttctacct tttcttatca ttgaatcaac ccctttttt ttttctttta aacacatccc 240

aacccaaagt ataagcgccc acctagtcct atctagtccg aaaaatgcga actagaacta 300

catgagacac tatctctgtc gttacgaacc taacactttc taccaagctt aatcggaata 360

agacctcaca aacactcaca agttatatag ggcttgaaag aaagtctagg tttgggtttg 420

ggttaactgc tctaataagg agagtcagct acttggatta aaaag 465

<210> 1895
<211> 388
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316003f06b1

<400> 1895

ttctccgact ctcttcccgc acctagcaaa tggtaagcca agaaagccaa ctgactgcat 60

tgcacatgag ttgacaaaga aatgctgctg ctgctattca acgagatcga ttctaacctc 120

aaagcgccca gatcccaatg acgagctcgt cgacgatgtc caccacgttg cagtcgcgcc 180

atgggccccg aatgcgaacc ccgtcgacat ggcctggtcc gttgtgccgg tactgcgatc 240

cggcgacttg tcccattcga ccatccagtt ctcgccctcc tcgtcggcgc ttcagagctt 300

cgccgtgacc ctgcaacagg tggccccttc gaagctgtcc agccacagcc gcagcggcat 360

tgagatcctc gtcctcgacg ttgctccc 388

<210> 1896
<211> 543
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsf19316003f07b1

<400> 1896

catctagcgg atttggattt ctttaacaac taaggttcct gtttttaaca ttttattgcc 60

aagggctttt gcccatctcc aatagctaac aagaactctt tcttttcttt acaaatccca 120

aaacctttac tagacttttt ctgcttcttt agcttacttc acctagagtc ttctaccttt 180

tcttatcatt gaatcaaccc ctttttttttt ttcttttaaa cacatcccaa cccaaagtat 240

aagcgcccac ctagtcctat ctagtccgaa aaatgcgaac tagaactaca tgagacacta 300

tctctgtcgt tacgaaccta acactttcta ccaagcttaa tcggaataag acctcacaaa 360

cactcacaag ttatataggg cttgaaagaa agtctaggtt tgggtttggg ttaactgctc 420

taataaggag agtcagctac ttggattaaa aagagtgatc aaaatgaata agaaaatcca 480

agtattctac ggtatccatg agttcaaatt tgatgcagac atgataatta aagattagat 540

tca 543

<210> 1897
<211> 362
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsf19316003f08b1

<400> 1897

tttgttacat ctagcggatt tggatttctt taacaactaa ggttcctgtt tttaacattt 60

taatgccaag tgcttttgcc catctccaat agctgacaag aactctttct tttctttaca 120

aatcccaaaa cctttactag acttttttctg cttctttagc ttacttcacc tagagtcttc 180

taccttttct tatcattgaa tcaaccccctt ttttttttttc ttttaaacac atcccaaccc 240

aaagtataag cgcccaccta gtcctatcta gtccgaaaaa tgcgaactag aactacatga 300

gacactatct ctgtcgttac gaacctaaca ctttctacca agcttaatcg gaataagacc 360

tc 362

<210> 1898
<211> 445
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsf19316003f09b1

<400> 1898

ggctggattt catcattaaa acctcactgc ttgtttcctg aaaccacagg tgttgaactt 60

atggtgttac tatccactca ttctaatagg atcatgggca ttcggcacta ttaaccgtat 120

ccatgatttc atcgagccag ggcataagat cttctggctc tcagttcttg acgttgggac 180

agctgcacta atggtagcaa acctatcaaa taaataagtt ataaaattcg ccatagatca 240

tctttgctct tcccgcgtcg atgttctgaa tgttgtattt tcagggcttg ttcaattcaa 300

tagcctatgg tttcaacagc ttagtgcgtt gagcaatcca tgagagactg gagctgtaag 360

tcaccaccga tctctttggt tcgctatatt attcccaata atcaatgaag cttgattttt 420

atgaaaccct cggtctgcta gattc 445

<210> 1899
<211> 395
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsf19316003f10b1

<400> 1899

cgactctctt cccgcaccta gcaaatggta agccaagaaa gccaactgac ggcattgcac 60

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gcccagatcc caatgacgag ctcgtcgacg atgtccacca cgttgcagtc gcgccatggg 180

ccccgaatgc gaaccccgtc gacatggcct ggtccgttgt gccggtactg cgatccggcg 240

acttgtccca ttcgaccatc cagttctcgc cctcctcgtc ggcgcttcag agcttcgccg 300

tgaccctgca acaggtggcc ccttcgaagc tgtccagcca cagccgcagc ggcattgaga 360

tcctcgtcct cgacgttgct ccccttcgc tagac 395

<210> 1900
<211> 464
<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316003f12b1

<400> 1900

cactttgtta catctagcgg atttggattt ctttaacaac taaggttcct gtttttaaca 60

ttttaattcc aagggctttt gcccatctcc aatagctaac aagaactctt tcttttcttt 120

acaaatccca aaacctttac tagacttttt ctgcttcttt agcttacttc acctagagtc 180

ttctaccttt tcttatcatt gaatcaaccc ctttttttt ttcttttaaa cacatcccaa 240

cccaaagtat aagcgcccac ctagtcctat ctagtccgaa aaatgcgaac tagaactaca 300

tgagacacta tctctgtcgt tacgaaccta acactttcta ccaagcttaa tcggaataag 360

acctcacaaa cactcacaag ttatataggg cttgaaagaa agtctaggtt tgggtttggg 420

ttaactgctc taataaggag agtcagctac ttggattaaa aaga 464

<210> 1901
<211> 513
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316003g01b1

<400> 1901

gttctccgac ctcttcccgc acctagcaaa tggtaagcca agaaagccaa ctgacggcat 60

tgcacatgag ctgacaaaga aatgctgctg ctgctattca acgagatcga ttctaacctc 120

aaagcgccca gatcccaatg acgagctcgt cgacgatgtc caccacgttg cagtcgcgcc 180

atgggccccg aatgcgaacc ccgtcgacat ggcctggtcc gttgtgccgg tactgcgatc 240

cggcgacttg tcccattcga ccatccagtt ctcgccctcc tcgtcggcgc ttcagagctt 300

cgccgtgacc ctgcaacagg tggccccttc gaagctgtcc agccacagcc gcagcggcat 360

tgagatcctc gtcctcgacg ttgctcccct tccgctagac acggtgttcg taacctggag 420

agcgaattga caaaacggct ggagagcggc gagggcacct tttacaagga ccatccgaca 480

agccccaatg ccaaggacgt tgccaacatg acg 513

<210> 1902
<211> 549
<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316003g02b1

<400> 1902

cactttgtta catctagcgg atttggattt ctttaacaac taaggttcct gtttttaaca 60

ttttaaagcc aagggctttt gcccatctcc aatagctaac aagaactctt tcttttcttt 120

acaaatccca aaacctttac tagacttttt ctgcttcttt agcttacttc acctagagtc 180

ttctaccttt tcttatcatt gaatcaaccc ctttttttt ttcttttaaa cacatcccaa 240

cccaaagtat aagcgcccac ctagtcctat ctagtccgaa aaatgcgaac tagaactaca 300

tgagacacta tctctgtcgt tacgaaccta acactttcta ccaagcttaa tcggaataag 360

acctcacaaa cactcacaag ttatataggg cttgaaagaa agtctaggtt tgggtttggg 420

ttaactgctc taataaggag agtcagctac ttggattaaa aagagtgatc aaaatgaata 480

agaaaatcca agtattttac ggtatccatg agttcaaatt tggtgcagac atgataatta 540

aagattaga 549

<210> 1903
<211> 463
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316003g06b1

<400> 1903

actttgttac atgtagcgga tttggatttc tttaacaact aaggttcctg tttttaactt 60

tttaaagcca agggcttttg cccatctcca atagctaaca agaactcttt cttttcttta 120

caaatcccaa aacctttact agacttttc tgcttcttta gcttacttca cctagagtct 180

tctacctttt cttatcattg aatcaacccc ttttttttt tcttttaaac acatcccaac 240

ccaaagtata agcgcccacc tagtcctatc tagtccgaaa aatgcgaact agaactacat 300

gagacactat ctctgtcgtt acgaacctaa cactttctac caagcttaat cggaataaga 360

cctcacaaac actcacaagt tatatagggc ttgaaagaaa gtctaggctt gggcttgggt 420

taactgctct aatacggaga gtcagctact tggattaaaa aga 463

<210> 1904

<211> 303
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316003g07b1

<400> 1904

caagaactct ttcttttctt gtacaaatcc caaaaccttt actagacttt ttctgcttct 60

ttagcttact tcacctagag tcttttacct tttcttatca ttgaatcaac ccctttttt 120

ttttgtttta aacacatccc aacccaaagg gtaagcgccc acctagtcct atctagttcg 180

aaaaatgcga actagaacta catgagacac tatctctgtc gttacgaacc taacactatc 240

taccaagctt aatcggaata agagctcaca aacactcaca agttatatag ggcattgaag 300

aaa 303

<210> 1905
<211> 491
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316003g08b1

<400> 1905

gttctccgat ctcttcccgc acctagcaaa tggtaagcca agaaagccaa ctgacggcat 60

tgcacatgat cagacaatga aatgctgctg ctgctattca acgagatcga ttctaacctc 120

aaagcgccca gatcccaatg acgagctcgt cgacgatgtc caccacgttg cagtcgcgcc 180

atgggccccg aatgcgaacc ccgtcgacat ggcctggtcc gttgtgccgg tactgcgatc 240

cggcgacttg tcccattcga ccatccagtt ctcgccctcc tcgtcggcgc ttcagagctt 300

cgccgtgacc ctgcaacagg tggccccttc gaagctgtcc agccacagcc gcagcggcat 360

tgagatcctc gtcctcgacg ttgctcccct tccgctagac acggtgttcg tcaacctgga 420

gagcgaattg acaaaacggc tggagagcgg cgagggcacc ttttacaagg accatccgac 480

aagccccaat g 491

<210> 1906
<211> 508
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316003g09b1

<400> 1906

tttgttacat ctagcggatt tggatttctt taacaactaa ggttcctgtt tttaacattt 60

taatgccaat ggcttttgcc catctccaat agctaacaag aactctttct tttctttaca 120

aatcccaaaa cctttactag actttttctg cttctttagc ttacttcacc tagagtcttc 180

taccttttct tatcattgaa tcaaccccct ttttttttttc ttttaaacac atcccaaccc 240

aaagtataag cgcccaccta gtcctatcta gtccgaaaaa tgcgaactag aactacatga 300

gacactatct ctgtcgttac gaacctaaca ctttctacca agcttaatcg gaataagacc 360

tcacaaacac tcacaagtta tatagggctt gaaagaaagt ctaggtttgg gtttgggtta 420

actgctctaa taaggagagt cagctacttg gattaaaaag agtgatcaaa atgaataaga 480

aaatccaagt attttacggt atccatga 508

<210> 1907
<211> 564
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316003g10b1

<400> 1907

tacatctagc ggatttggat ttctttaaca actaaggttc ctgtttttaa cattttaatt 60

ccaatggctt ttgcccatct ccaatagcta acaagaactc tttcttttct ttacaaatcc 120

caaaaccttt actagacttt ttctgcttct ttagcttact tcacctagag tcttctacct 180

tttcttatca ttgaatcaac ccctttttt ttttctttta aacacatccc aacccaaagt 240

ataagcgccc acctagtcct atctagtccg aaaaatgcga actagaacta catgagacac 300

tatctctgtc gttacgaacc taacactttc taccaagctt aatcggaata agacctcaca 360

aacactcaca agttatatag ggcttgaaag aaagtctagg tttgggtttg ggttaactgc 420

tctaataagg agagtcagct acttggatta aaaagagtga tcaaaatgaa taagaaaatc 480

caagtatttt acggtatcca tgagttcaaa tttgatgcag acatgataat taaagattag 540

attcaggttc aaattgatag ggaa 564

<210> 1908

<211> 545
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316003h01b1

<400> 1908

cactttgtta catctagcgg atttggattt ctttaacaac taaggttcct gtttttaaca 60

ttttaatgcc aagggctttt gcccatctcc aatagctaac aagaactctt tcttttcttt 120

acaaatccca aaacctttac tagacttttt ctgcttcttt agcttacttc acctagagtc 180

ttctaccttt tcttatcatt gaatcaaccc ctttttttt ttcttttaaa cacatcccaa 240

cccaaagtat aagcgcccac ctagtcctat ctagtccgaa aaatgcgaac tagaactaca 300

tgagacacta tctctgtcgt tacgaaccta acactttcta ccaagcttaa tcggaataag 360

acctcacaaa cactcacaag ttatataggg cttgaaagaa agtctaggtt tgggtttggg 420

ttaactgctc taataaggag agtcagctac ttggattaaa aagagtgatc aaaatgaata 480

agaaaatcca agtattttac ggtatccatg agttcaaatt tgatgcagac atgataatta 540

aagat 545

<210> 1909
<211> 461
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316003h03b1

<400> 1909

cggatttgga tttctttaac aactaaggtt cctgttttta acttttaaa gccaagggct 60

tttgcccatc tccaatagct aacaagaact ctttcttttc tttacaaatc ccaaaacctt 120

tactagactt tttctgcttc tttagcttac ttcacctaga gactgctacc ttttcttatc 180

attgaatcaa ccccttttt ttttttcttt aaacacatcc caacccaaag tataagcgcc 240

cacctagtcc tatctagtcc gaaaaatgcg aactagaact acatgagaca ctatctctgt 300

cgttacgaac ctaacacttt ctaccaagct taatcggaat aagacctcac aaacactcac 360

aagttatata gggcttgaaa gaaagtctag gtttgggttt gggttaactg ctctaataag 420

gagagtcagc tacttggatt aaaaagagtg atcaaaatga a 461

<210> 1910
<211> 349
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsfl9316003h04b1

<400> 1910

ggctcaggcg gtgcctagag gggaagaaat gatgacgaac aagagaagtc tgttcccagt 60

cctgcccttc aaggatctgg cgaactttta tctttttaac gttggaaggc aataatttct 120

gtagagggtg gattttccca acattcgttt ttggtggagg catcgaactc cagaggttgt 180

cgtaggttgg cggcagcgtt ctcaaaacat ttactatcat aggggttgag tttgagttcg 240

agtatgtgcc ctgaatcgtt actgggcaat tttccttaaa tacattgtcc tccaatccta 300

ctgagattat tatggtccaa gttnaaaaaa aaaaaaaacc caacatcat 349

<210> 1911
<211> 541
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316003h05b1

<400> 1911

tcaacacttt gttacatcta gcggatttgg atttctttaa caactaaggt tcctgttttt 60

aacattttaa agccaagggc ttttgcccat ctccaatagc taacaagaac tctttctttt 120

ctttacaaat cccaaaacct ttactagact ttttctgctt ctttagctta cttcacctag 180

agtcttctac cttttcttat cattgaatca acccctttt ttttttcttt taaacacatc 240

ccaacccaaa gtataagcgc ccacctagtc ctatctagtc cgaaaaatgc gaactagaac 300

tacatgagac actatctctg tcgttacgaa cctaacactt tctaccaagc ttaatcggaa 360

taagacctca caaacactca caagttatat agggcttgaa agaaagtcta ggtttgggtt 420

tgggttaact gctctaataa ggagagtcag ctacttggat taaaaagagt gatcaaaatg 480

aataagaaaa tccaagtatt ttacggtatc catgagttca aatttgatgc agacatgata 540

a 541

<210> 1912
<211> 546
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316003h08b1

<400> 1912

tttgttacat ctagcggatt tggatttctt taacaactaa ggttcctgtt tttaacattt 60

taaagccaag ggcttttgcc catctccaat agctgacaag aactctttct tttctttaca 120

aatcccaaaa cctttactag acttttttctg cttctttagc ttacttcacc tagagtcttc 180

taccttttct tatcattgaa tcaaccccctt tttttttttc ttttaaacac atcccaaccc 240

aaagtataag cgcccaccta gtcctatcta gtccgaaaaa tgcgaactag aactacatga 300

gacactatct ctgtcgttac gaacctaaca ctttctacca agcttaatcg gaataagacc 360

tcacaaacac tcacaagtta tatagggctt gaaagaaagt ctaggtttgg gtttgggtta 420

actgctctaa taaggagagt cagctacttg gattaaaaag agtgatcaaa atgaataaga 480

aaatccaagt attttacggt atccatgagt tcaaatttga tgcagacatg ataattaaag 540

attaga 546

<210> 1913
<211> 491
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316003h09b1

<400> 1913

tcaacacttt gttacatcta gcggatttgg atttctttaa caactaaggt tcctgttttt 60

aacattttaa tgccaagggc ttttgcccat ctccaatagc taacaagaac tctttctttt 120

ctttacaaat cccaaaacct ttactagact ttttctgctt ctttagctta cttcacctag 180

agtcttctac cttttcttat cattgaatca acccctttt ttttttcttt taaacacatc 240

ccaacccaaa gtataagcgc ccacctagtc ctatctagtc cgaaaaatgc gaactagaac 300

tacatgagac actatctctg tcgttacgaa cctaacactt tctaccaagc ttaatcggaa 360

taagacctca caaacactca caagttatat agggcttgaa agaaagtcta ggtttgggtt 420

tgggttaact gctctaataa ggagagtcag ctacttggat taaaaagagt gatcaaaatg 480

aataagaaaa t 491

<210> 1914
<211> 412
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316003h10b1

<400> 1914

tttgttacat ctagcgcatt tggatttctt taacaactaa ggttcctgtt tttaacattt 60

taaagccaag ggcttttgcc catctccaat agctgacaag aactctttct tttctttaca 120

aatcccaaaa cctttactag acttttttctg cttctttagc ttacttcacc tagagtcttc 180

tacctttttct tatcattgaa tcaaccccctt ttttttttttc ttttaaacac atcccaaccc 240

aaagtataag cgcccaccta gtcctatcta gtccgaaaaa tgcgaactag aactacatga 300

gacactatct ctgtcgttac gaacctaaca ctttctacca agcttaatcg gaataagacc 360

tcacaaacac tcacaagtta tatagggctt gaaagaaagt ctaggtttgg gt 412

<210> 1915
<211> 475
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316003h11b1

<400> 1915

cactttgtta catctagcgg atttggattt ctttaacaac taaggttcct gtttttaaca 60

ttttaaagcc aagggctttt gcccatctcc aatagctaac aagaactctt tcttttcttt 120

acaaatccca aaacctttac tagacttttt ctgcttcttt agcttacttc acctagagtc 180

ttctaccttt tcttatcatt gaatcaaccc ctttttttttt ttcttttaaa cacatcccaa 240

cccaaagtat aagcgcccac ctagtcctat ctagtccgaa aaatgcgaac tagaactaca 300

tgagacacta tctctgtcgt tacgaaccta acactttcta ccaagcttaa tcggaataag 360

acctcacaaa cactcacaag ttatataggg cttgaaagaa agtctaggtt tgggtttggg 420

ttaactgctc taataaggag agtcagctac ttggattaaa agagtgatca aaatg 475

<210> 1916
<211> 491
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316004a02b1

<400> 1916

tcaacacttt gttacatcta gcggatttgg atttctttaa caactaaggt tcctgttttt 60

aacattttaa agccaagggc ttttgcccat ctccaatagc taacaagaac tctttctttt 120

ctttacaaat cccaaaacct ttactagact ttttctgctt ctttagctta cttcacctag 180

agtcttctac cttttcttat cattgaatca acccctttt ttttttcttt taaacacatc 240

ccaacccaaa gtataagcgc ccacctagtc ctatctagtc cgaaaaatgc gaactagaac 300

tacatgagac actatctctg tcgttacgaa cctaacactt tctaccaagc ttaatcggaa 360

taagacctca caaacactca caagttatat agggcttgaa agaaagtcta ggtttgggtt 420

tgggttaact gctctaataa ggagagtcag ctacttggat taaaaagagt gatcaaaatg 480

aataagaaaa t 491

<210> 1917
<211> 365
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316004a04b1

<400> 1917

gtcaaatctt agcttgctac gctgcaagag gcagatacgt gatctcagca agcgagaact 60

cccatgtgta cgtgtggaga aacgacgaca gccctgagca aagaagcagc agcagcaagg 120

gcgtcgtgtc tgtcgcaaac tcctacgagt acttctactg ccgggacgtg acggtggccg 180

ctgccttgcc atccacggcg gggtcagcgg cgacgtcccg gaccaactcc aggaggaagc 240

accaggagct ggattgtgtg tccgagtatc ctctgccgca cgcaggagac ggagattcct 300

ctgatttcca gcggcagcag agccgcaatg acctaagcaa cggttcgaac cacagcggcg 360

gtgac 365

<210> 1918
<211> 407

<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316004a05b1

<400> 1918

gtgagcgaga aatccccaat ccccaccaaa ccctaaccca aaccctaacc ctgattgaaa 60

cgaccaggag aggagaggag aggagcggat ccggcgatgg ccgtcgagaa gatgcacttg 120

tccatgccgt tgcccgccgg cttggagggt ttcccccttca ccacgttcca ggcggagctg 180

gaggccttca ccgtcaagtt gagggcggag gcgaagaagg ccaaggccaa gccggaggtc 240

aaggaggcca aggccaagga ggagaaggcc aagccggagg tcaaggccaa ggtgaagaag 300

gccaaggcga aggaggccaa gccggaggtc gaggccaagg caaaggaggc caaggcaaag 360

gaggccaagg cgaaggaggc caagccggag gtcgaggcca agtcaaa 407

<210> 1919
<211> 380
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316004a08b1

<400> 1919

agcggatgtg gattccttta acaactaagg gtcctgttct taacattcta aagccaaggg 60

ctttggtcca tctccaatag ctaacacgaa ctctttcttt gctttacaaa tcccaaaacc 120

tttactagac tttatctgct tctttagctt acttaaccta gagtcttcta ccttttctta 180

tgattgaatc aaccaccttg ttttttttc tgttaaacac ataccaaccc aaaggataag 240

cgcccaccta gtgctatcta gtccgaaaaa tgcgaactag aactacagga gacactatct 300

ctgttgttac gaacctaaca ctttctacca agcttaatcg gaataagacc tcacaaacac 360

tcacaagtta tatagggctt 380

<210> 1920
<211> 541
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316004a11b1

<400> 1920

cactttgtta catctagcgg atttggattt ctttaacaac taaggttcct gtttttaaca 60

ttttaaagcc aagggctttt gcccatctcc aatagctaac aagaactctt tcttttcttt 120

acaaatccca aaacctttac tagacttttt ctgcttcttt agcttacttc acctagagtc 180

ttctaccttt tcttatcatt gaatcaaccc ctttttttt ttcttttaaa cacatcccaa 240

cccaaagtat aagcgcccac ctagtcctat ctagtccgaa aaatgcgaac tagaactaca 300

tgagacacta tctctgtcgt tacgaaccta acactttcta ccaagcttaa tcggaataag 360

acctcacaaa cactcacaag ttatataggg cttgaaagaa agtctaggtt tgggtttggg 420

ttaactgctc taataaggag agtcagctac ttggattaaa aagagtgatc aaaatgaata 480

agaaaatcca agtattttac ggtatccatg agttcaaatt tgatgcagac atgataatta 540

a 541

<210> 1921
<211> 552
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316004a12b1

<400> 1921

cactttgtta catctagcgg atttggattt ctttaacaac taaggttcct gtttttaaca 60

ttttaatgcc aagggctttt gcccatctcc aatagctaac aagaactctt tcttttcttt 120

acaaatccca aaacctttac tagacttttt ctgcttcttt agcttacttc acctagagtc 180

ttctaccttt tcttatcatt gaatcaaccc ctttttttt ttcttttaaa cacatcccaa 240

cccaaagtat aagcgcccac ctagtcctat ctagtccgaa aaatgcgaac tagaactaca 300

tgagacacta tctctgtcgt tacgaaccta acactttcta ccaagcttaa tcggaataag 360

acctcacaaa cactcacaag ttatataggg cttgaaagaa agtctaggtt tgggtttggg 420

ttaactgctc taataaggag agtcagctac ttggattaaa aagagtgatc aaaatgaata 480

agaaaatcca agtattttac ggtatccatg agttcaaatt tgatgcagac atgataatta 540

aagattagat tc 552

<210> 1922
<211> 313

<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316004b02b1

<400> 1922

acactttgtt acatctagcg gatttggatt tctttaacaa ctaaggttcc tgtttttaac 60

attttaaagc caagggcttt tgcccatctc caatagctaa caagaactct ttcttttctt 120

tacaaatgcc aaaaccttta ctagactttt tctgcttctt tagcttactt cacctagagt 180

cttctacctt ttcttatcat tgaatcaacc ccttttttt tttcttttaa acacatccca 240

acccaaagta taagcgccca cctagtccta tctagtccga aaaatgcgaa ctagaactac 300

atgagacact atc 313

<210> 1923
<211> 409
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316004b03b1

<400> 1923

tcaacacttt gttacatcta gcggatttgg atttctttaa caactaaggt tcctgttttt 60

aacattttat tgccaagggc ttttgcccat ctccaatagc taacaagaac tctttctttt 120

ctttacaaat cccaaaacct ttactagact ttttctgctt ctttagctta cttcacctag 180

agtcttctac cttttcttat cattgaatca acccctttt ttttttcttt taaacacatc 240

ccaacccaaa gtataagcgc ccacctagtc ctatctagtc cgaaaaatgc gaactagaac 300

tacatgagac actatctctg tcgttacgaa cctaacactt tctaccaagc ttaatcggaa 360

taagacctca caaacactca caagttatat agggcttgaa agaaagtct 409

<210> 1924
<211> 245
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316004b04b1

<400> 1924

gacttttttct ggttctttag cttacttcac ctagaggctt ctaccttgtc ttatcagtga 60

atcaacccct ttttttttg cttttaaaca catcccaacc caaagtataa tgcgcccacc 120

tagtcctatg ctagtccgaa aaatgcgaac tagaactaca tgagacacta tctatgtggt 180

tacgaaccta acactctcta ccaagcttaa tgggaataag accttacaaa cactcacaag 240

ttata 245

<210> 1925
<211> 318
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsf19316004b07b1

<400> 1925

ttctccgacc tcttcccgca cctagcaaat ggtaagccaa gaaagccaac tgacggcatt 60

gcacatgtgc agacaaagaa atgctgctgc tgctattcaa cgagatcgat tctaacctca 120

aagcgcccag atcccaatga cgagctcgtc gacgatgtcc accacgttgc agtcgcgcca 180

tgggccccga atgcgaaccc cgtcgacatg gcctggtccg ttgtgccggt actgcgatcc 240

ggcgacttgt cccattcgac catccagttc tcgccctcct cgtcggcgct tcagagcttc 300

gccgtgaccc tgcaacag 318

<210> 1926
<211> 462
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsf19316004c03b1

<400> 1926

cttcccgcac ctagcaaatg gtgagccaag aaagccaact gacggcattg cacatgagtc 60

agacaattaa atgctgctgc tgctattcag cgagatcgat tctaacctca aggcgcccag 120

atcccaatga cgagctcgtg gacgatgtcc accacgttgc agtcgcgcca tgggccccga 180

atgcgaaccc cgtcgacatg gcctggtccg ttgtgccggt actgcgatcc ggcgacttgt 240

cccattcgac catccagttc tcgccctcct cgtgggcgct tcagagcttc gccgtgaccc 300

tgcaacaggt ggcccccttcg aagctgtcca gccacagccg cagcggcatt gagatcctcg 360

tgctcgacgt tgctcccctt ccgctagaca cggtgttcgt caacctggag agcgaattga 420

caaaacggtt ggagagcggc gagggcacct tttacaagga cc 462

<210> 1927
<211> 523
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316004c04b1

<400> 1927

aacactttgt tacatctagc ggatttggat ttctttaaca actaaggttc ctgtttttaa 60

cattttattg ccaagggctt ttgcccatct ccaatagcta acaagaactc tttcttttct 120

ttacaaatcc caaaaccttt actagacttt ttctgcttct ttagcttact tcacctagag 180

tcttctacct tttcttatca ttgaatcaac ccctttttt ttttctttta aacacatccc 240

aacccaaagt ataagcgccc acctagtcct atctagtccg aaaaatgcga actagaacta 300

catgagacac tatctctgtc gttacgaacc taacactttc taccaagctt aatcggaata 360

agacctcaca aacactcaca agttatatag ggcttgaaag aaagtctagg tttgggtttg 420

ggttaactgc tctaataagg agagtcagct acttggatta aaaagagtga tcaaaatgaa 480

taagaaaatc caagtatttt acggtatcca tgagttcaaa ttt 523

<210> 1928
<211> 380
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316004c05b1

<400> 1928

tttcgagcgc ctcctcctgt ctcgtcctcg tgccccgtcc cctcgtcggc gcccgatcta 60

agtcaagatg agtcgtggcg ggagtgctgg tggtggtcaa agttctctgg gttacctgtt 120

tggagatggc gagcctgcaa agcctgctgc agcaccagct gcgaagcccg cacctgctga 180

gaaaccagca ccggcagctg ctgatgtagc caagcagatt ccagctggca ttccaggtag 240

ccgggcgaac aactattacc gtgcagatgg ccagaacacg ggcaacttgc ttacggaccg 300

tgcttcaacc aaggttcatg ctgctcctgg cggtggctcg tccctgggct acttgtttgg 360

cggaaagtga tgttaatgat 380

<210> 1929
<211> 535
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316004c08b1

<400> 1929

tttagatctt gtggctggat ttcatcatta aaacctcact gcttgtttcc tgaaaccaca 60

tgtgttgaac agatggggat actatccact cattctaata ggatcatggg cattcggcac 120

tattaaccgt atccatgatt tcatcgagcc agggcataag atcttctggc tctcagttct 180

tgacgttggg acagctgcac taatggtagc aaacctatca aataaataag ttataaaatt 240

cgccatagat catctttgct cttcccgagt cgatgttctg aatgttgtat tttcagggct 300

tgttcaattc aatagcctat ggtttcaaca gctcagtgcg tcgagcaatc catgagagac 360

tggagctgta agtcaccacc gatctctttg gtttgctata ttattcccaa taatcaatga 420

agcttgattt ttatgaaacc cttggtctgc tagattcttg ccagaacggc tatatcgatg 480

gcttccaagc aatttcagac caaaaaacca tctgattcta catcagcaac aacaa 535

<210> 1930
<211> 475
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316004c09b1

<400> 1930

tgttctccga cctcttcccg cacctagcaa atggtaagcc aagaaagcca actgacggca 60

ttgcacatga tcagacaaag aaatgctgct gctgctattc aacgagatcg attctaacct 120

caaagcgccc agatcccaat gacgagctcg tcgacgatgt ccaccacgtt gcagtcgcgc 180

catgggcccc gaatgcgaac cccgtcgaca tggcctggtc cgttgtgccg gtactgcgat 240

ccggcgactt gtcccattcg accatccagt tctcgccctc ctcgtcggcg cttcagagct 300

tcgccgtgac cctgcaacag gtggcccctt cgaagctgtc cagccacagc cgcagcggca 360

ttgagatcct cgtcctcgac gttgctcccc ttccgctaga cacggtgttc gtcaacctgg 420

agagcgaatt gacaaaacgg ctggagagcg gcgagggcac ctttttacag gacca 475

<210> 1931
<211> 348
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316004c12b1

<400> 1931

gctgctgctg ctattcaacg agatcgattc taacctcaaa gcgcccagat cccaatgacg 60

agctcgtcga cgatgtccac cacgttgcag tcgcgccatg ggccccgaat gcgaaccccg 120

ttgacatggc ctggtccgct gtgccggtac tgtgatccgg cgacttgtcc cattcgacca 180

tccagttctc gcccttctcg tgggcgcttc agagcttcgc cgtgaccctg caacaggtgg 240

tcccttcgaa gctgctcagc cacagccgca gcggcattga gatcctcgac ctcgacgttg 300

ctccccttcc gctagacacg gtgttcgaca acctggagag cgaattga 348

<210> 1932
<211> 558
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316004d04b1

<400> 1932

tcaacacttt gttacatcta gcggatttgg atttctttaa caactaaggt tcctgttttt 60

aacattttaa agccaagggc ttttgcccat ctccaatagc taacaagaac tctttctttt 120

ctttacaaat cccaaaacct ttactagact ttttctgctt ctttagctta cttcacctag 180

agtcttctac cttttcttat cattgaatca acccctttt ttttttcttt taaacacatc 240

ccaacccaaa gtataagcgc ccacctagtc ctatctagtc cgaaaaatgc gaactagaac 300

tacatgagac actatctctg tcgttacgaa cctaacactt tctaccaagc ttaatcggaa 360

taagacctca caaacactca caagttatat agggcttgaa agaaagtcta ggtttgggtt 420

tgggttaact gctctaataa ggagagtcag ctacttggat taaaaagagt gatcaaaatg 480

aataagaaaa tccaagtatt ttacggtatc catgagttca aatttgatgc agacatgata 540

attaaagatt agattcag 558

<210> 1933
<211> 526
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316004d05b1

<400> 1933

ctctaacact ttgttcatct agcggatttg gatttcttta acaactaagg ttcctgtttt 60

taacatttta atgccaaggg cttttgccca tctccaatag ctaacaagaa ctctttcttt 120

tctttacaaa tcccaaaacc tttactagac tttttctgct tctttagctt acttcaccta 180

gagtcttcta ccttttctta tcattgaatc aacccctttt ttttttttctt ttaaacacat 240

cccaacccaa agtataagcg cccacctagt cctatctagt ccgaaaaatg cgaactagaa 300

ctacatgaga cactatctct gtcgttacga acctaacact ttctaccaag cttaatcgga 360

ataagacctc acaaacactc acaagttata tagggcttga aagaaagtct aggtttgggt 420

ttgggttaac tgctctaata aggagagtca gctacttgga ttaaaaagag tgatcaaaat 480

gaataagaaa atccaagtat tttacggtat ccatgagttc aaattt 526

<210> 1934
<211> 473
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316004d06b1

<400> 1934

gttctccgtc ctcttcccgc acctagcaga tggtaagcca agaaagccaa ctgactgcat 60

tgcacatgtt cagacaaaga aatgctgctg ctgctattca acgagatcga ttctaacctc 120

aaagcgccca gatcccaatg acgagctcgt cgacgatgtc caccacgttg cagtcgcgcc 180

atgggccccg aatgcgaacc ccgtcgacat ggcctggtcc gttgtgccgg tactgcgatc 240

cggcgacttg tcccattcga ccatccagtt ctcgccctcc tcgtcggcgc ttcagagctt 300

cgccgtgacc ctgcaacagg tggccccttc gaagctgtcc agccacagcc gcagcggcat 360

tgagatcctc gtcctcgacg ttgctccccct tgcgctagac acggtgttcg tcaacctgga 420

gagcgaattg acaaaacggc tggagagcgg cgagggcacc ttttacaagg acc 473

<210> 1935
<211> 186
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316004d12b1

<400> 1935

tgctgctgct gctattcaac gagatcggtt ctaacctcaa agcgcccaga gcccaatgac 60

gagctcgccg acgatgtcca ccacgttgta gtcgcgccat gggccccgaa tgcgaacccc 120

gaagacatgg cctggtacga tgtgccggta ctgcgatcca cctacttggc ccattcgacc 180

atccag 186

<210> 1936
<211> 192
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316004e02b1

<400> 1936

acactttgtt acatctagcg gatttggatt tctttaacaa ctaaggttcc tgtttttaac 60

attttaaagc caagggcttt tgcccatctc caatagctaa caagaactct ttcttttctt 120

tacaaatgcc aaaaccttta ctagactttt tctgcttctt tagcttactt cacctagagt 180

cttctacctt tt 192

<210> 1937
<211> 463
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316004e03b1

<400> 1937

cctcttcccg cacctagcaa atggtaagcc aagaaagcca actgacggca ttgcacatga 60

tcagacaatg aaatgctgct gctgctattc aacgagatcg attctaacct caaagcgccc 120

agatcccaat gacgagctcg tcgacgatgt ccaccacgtt gcagtcgcgc catgggcccc 180

gaatgcgaac cccgtcgaca tggcctggtc cgttgtgccg gtactgcgat ccggcgactt 240

gtcccattcg accatccagt tctcgccctc ctcgtcggcg cttcagagct tcgccgtgac 300

cctgcaacag gtggcccctt cgaagctgtc cagccacagc ctgagcggca ttgagatcct 360

agtcctcgac gttgctcccc ttccgctaga cacggtgttc gtcaacctgg agagcgaatt 420

gacaaaacgg ctggagagcg gcgagggcac cttttacaag gac 463

<210> 1938
<211> 468
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsf19316004e08b1

<400> 1938

gttctccgtc ctcttcccgc acctagcaaa tggtaagcca agaaagccaa ctgacggcat 60

tgcacatgtt cagacaaaga aatgctgctg ctgctattca acgagatcga ttctaacctc 120

aaagcgccca gatcccaatg acgagctcgt cgacgatgtc caccacgttg cagtcgcgcc 180

atgggccccg aatgcgaacc ccgtcgacat ggcctggtcc gttgtgccgg tactgcgatc 240

cggcgacttg tcccattcga ccatccagtt ctcgccctcc tcgtcggcgc ttcagagctt 300

cgccgtgacc ctgcaacagg tggcccttc gaagctgtcc agccacagcc gcagcggcat 360

tgagatcctc gtcctcgacg ttgctcccct tccgctagac acggtgttcg tcaacctgga 420

gagcgaattg acaaaacggc tggagagcgg cgagggcacc ttttacaa 468

<210> 1939
<211> 309
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsf19316004f01b1

<400> 1939

cctcttcccg cacctagcaa atggtaagcc aagaaagcca actgacggca ttgcacatga 60

tcagacaatg aaatgctgct gctgctattc aacgagatcg attctaacct caaagcgccc 120

agatcccaat gacgagctcg tcgacgatgt ccaccacgtt gcagtcgcgc catgggcccc 180

gaatgcgaac cccgtcgaca tggcctggtc cgttgtgccg gtactgcgat ccggcgactt 240

gtcccattcg accatccagt tctcgccctc ctcgtcggcg cttcagagct tcgccgtgac 300

cctgcaaca 309

<210> 1940
<211> 406
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316004f02b1

<400> 1940

ctcttcccgc acctagcaaa tggtaagcca agaaagccaa ctgacggcat tgcacatgag 60

cagacaatga aatgctgctg ctgctattca acgagatcga ttctaacctc aaagcgccca 120

gatcccaatg acgagctcgt cgacgatgtc caccacgttg cagtcgcgcc atgggccccg 180

aatgcgaacc ccgtcgacat ggcctggtcc gttgtgccgg tactgcgatc cggcgacttg 240

tcccattcga ccatccagtt ctcgccctcc tcgtcggcgc ttcagagctt cgccgtgacc 300

ctgcaacagg tggccccttc gaagctgtcc agccacagcc gcagcggcat tgagatcctc 360

gtcctcgacg ttgctccct tccgctagac acggtgttcg tcaacc 406

<210> 1941
<211> 322
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316004f03b1

<400> 1941

cttcccgcac ctagcaaatg gtaagccaag aaagccaact gacggcattg cacatgattc 60

agacaattaa atgctgctgc tgctattcaa cgagatcgat tctaacctca aagcgcccag 120

atcccaatga cgagctcgtc gacgatgtcc accaccttgc agtcgcgcca tgggccccga 180

atgccaaccc cgtcgacatg gcctggtccg ttgtgccggt actgcgatcc ggcgacttgt 240

cccattcgac catccagttc tcgcccttct cgtgggtgct tgagagcttc gacgagaccc 300

tgctacaggt ggcccctttg aa 322

<210> 1942
<211> 539
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316004f04b1

<400> 1942

cactttgtta catctagcgg atttggattt ctttaacaac taaggttcct gtttttaaca 60

ttttaaagcc aaggtctttt gcccatctcc aatagctaac aagaactctt tcttttcttt 120

acaaatgcca aaacctttac tagacttttt ctgcttcttt agcttacttc acctagagtc 180

ttctaccttt tcttatcatt gaatcaaccc ctttttttt ttcttttaaa cacatcccaa 240

cccaaagtat aagcgcccac ctagtcctat ctagtccgaa aaatgcgaac tagaactaca 300

tgagacacta tctctgtcgt tacgaaccta acactttcta ccaagcttaa tcggaataag 360

acctcacaaa cactcacaag ttatataggg cttgaaagaa agtctaggtt tgggtttggg 420

ttaactgctc taataaggag agtcagctac ttggattaaa aagagtgatc aaaatgaata 480

agaaaatcca agtattttac ggtatccatg agttcaaatt tgatgcagac atgataatt 539

<210> 1943
<211> 388
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsf19316004f05b1

<400> 1943

acaacccact ctttaacaaa tttcacacgc tccctgcatt tcgtgttctc cccaaatata 60

ttactgcatc ttcacttcca cccccaccat attatcaccg caaaaatggt ggaccacggt 120

atatcctcac agctactcct atcacacagg ttatcataga gccattcaaa cagagatttc 180

gaaaagaacc cctgctgcct ccttcgcggc acaaatctga cccaaatccc caattgagct 240

ggacagtctc taagcacgtg aagcacagat tcaactccac ctttacaaac ctgagacaca 300

ttcgaggcgc taagatgtct tcgatgccgt tcctcatctg tcataactat gtccagtttg 360

gttatatata ttttctggtt atacttat 388

<210> 1944
<211> 310
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsf19316004f07b1

<400> 1944

cactttgtta catctagcgg atttggattt ctttaacaac taaggttcct gtttttaaca 60

ttttatagcc aagggctttt gcccatctgc aatagctaac aagaactctt tcttttcttt 120

acaaatccca aaacctttac tagacttttt ctgcttcttt agcttacttc acctagagtc 180

ttctaccttt tcttatcatt gaatcaaccc ctttttttt ttcttttaaa cacatcccaa 240

cccaaagtat aagcgcccac ctagtcctat ctagtccgaa aaatgcgaac tagaactaca 300

tgagacacta 310

<210> 1945
<211> 485
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316004f08b1

<400> 1945

cactttgtta catctagcgg atttggattt ctttaacaac taaggttcct gtttttaaca 60

ttttaatagc caagggcttt tgcccatctg caatagctaa caagaactct ttcttttctt 120

tacaaatccc aaaaccttta ctagactttt tctgcttctt tagcttactt cacctagagt 180

cttctacctt ttcttatcat tgaatcaacc ctttttttt tttcttttaa acacatccca 240

acccaaagta taagcgccca cctagtccta tctagtccga aaaatgcgaa ctagaactac 300

atgagacact atctctgtcg ttacgaacct aacactttct accaagctta atcggaataa 360

gacctcacaa acactcacaa gttatatagg gcttgaaaga aagtctaggt ttgggtttgg 420

gttaactgct ctaataagga gagtcagcta cttggattaa aaagagtgat caaaatgaat 480

aagaa 485

<210> 1946
<211> 169
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316004f09b1

<400> 1946

caaagaaatg ctgctgctgc tattcaacga gatcgattct aacctcaaag cgcccagatc 60

ccaatgacga gctcgtcgac gatgtccacc acgttgcagt tcgcgccatg ggccccgaat 120

gcgaaccccg tcgatatggc ctgggccgtt gtgccggtac tgccatccg 169

<210> 1947
<211> 552
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsf19316004f11b1

<400> 1947

cactttgtta catctagcgg atttggattt ctttaacaac taaggttcct gtttttaaca 60

ttttaatgcc aagggctttt gcccatctcc aatagctaac aagaactctt tcttttcttt 120

acaaatccca aaacctttac tagacttttt ctgcttcttt agcttacttc acctagagtc 180

ttctaccttt tcttatcatt gaatcaaccc ctttttttt ttcttttaaa cacatcccaa 240

cccaaagtat aagcgcccac ctagtcctat ctagtccgaa aaatgcgaac tagaactaca 300

tgagacacta tctctgtcgt tacgaaccta acactttcta ccaagcttaa tcggaataag 360

acctcacaaa cactcacaag ttatataggg cttgaaagaa agcctaggtt tgggtttggg 420

ttaactgctc taataaggag agtcagctac ttggattaaa aagagtgatc aaaatgaata 480

agaaaatcca agtattttac ggtatccatg aggtcaaatt tgatgcagac atgataatta 540

aagattagat tc 552

<210> 1948
<211> 420
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsf19316004f12b1

<400> 1948

ccgcacctag caaatggtaa gccaagaatg ccaactgacg gtattgcaca tgattttaca 60

attaaatgct gctgctgcta ttcaacgaga tcgattctaa cctcaaagcg cccagatccc 120

aatgacgagc tcgtcgacga tgtccaccac gttgcagtcg cgccatgggc cccgaatgcg 180

aaccccgtcg acatggcctg gtccgttgtg ccggtactgc gatccggcga cttgtcccat 240

tcgaccatcc agttctcgcc ctcctcgtcg gcgcttcaga gctttgccgt gaccctgcaa 300

caggtggccc cttcgaagct gttcagccac agccgtagcg gcattgagat cctcgacctc 360

gacgttgctc ccctttcgct agacacggtg ttcgtcaacc tggagagcga attgacaaaa 420

<210> 1949
<211> 538
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316005a02b1

<400> 1949

cactttgtta catctagcgg atttggattt ctttaacaac taaggttcct gtttttaaca 60

ttttaatgcc aagggctttt gcccatctcc aatagctaac aagaactctt tcttttcttt 120

acaaatccca aaacctttac tagacttttt ctgcttcttt agcttacttc acctagagtc 180

ttctaccttt tcttatcatt gaatcaaccc ctttttttt ttcttttaaa cacatcccaa 240

cccaaagtat aagcgcccac ctagtcctat ctagtccgaa aaatgcgaac tagaactaca 300

tgagacacta tctctgtcgt tacgaaccta acactttcta ccaagcttaa tcggaataag 360

acctcacaaa cactcacaag ttatataggg cttgaaagaa agtctaggtt tgggtttggg 420

ttaactgctc taataaggag agtcagctac ttggattaaa aagagtgatc aaaatgaata 480

agaaaatcca agtattttac ggtatccatg agttcaaatt tgatgcagac atgataat 538

<210> 1950
<211> 542
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316005a03b1

<400> 1950

tcaacacttt gttacatcta gcggatttgg atttctttaa caactaaggt tcctgttttt 60

aacattttaa agccaagggc ttttgcccat ctccaatagc taacaagaac tctttctttt 120

ctttacaaat cccaaaacct ttactagact ttttctgctt ctttagctta cttcacctag 180

agtcttctac cttttcttat cattgaatca acccctttt ttttttcttt taaacacatc 240

ccaacccaaa gtataagcgc ccacctagtc ctatctagtc cgaaaaatgc gaactagaac 300

tacatgagac actatctctg tcgttacgaa cctaacactt tctaccaagc ttaatcggaa 360

taagacctca caaacactca caagttatat agggcttgaa agaaagtcta ggtttgggtt 420

tgggttaact gctctaataa ggagagtcag ctacttggat taaaaagagt gatcaaaatg 480

aataagaaaa tccaagtatt ttacggtatc catgagttca aatttgatgc agacatgata 540

at 542

<210> 1951
<211> 474
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316005a08b1

<400> 1951

gttctccgac tctcttcccg cacctagcaa atggtaagcc aagaaagcca actgacggca 60

ttgcacatga tctagacata gaaatgctgc tgctgctatt caacgagatc gattctaacc 120

tcaaagcgcc cagatcccaa tgacgagctc gtcgacgatg tccaccacgt tgcagtcgcg 180

ccatgggccc cgaatgcgaa ccccgtcgac atggcctggt ccgttgtgcc ggtactgcga 240

tccggcgact tgtcccattc gaccatccag ttctcgccct cctcgtcggc gcttcagagc 300

ttcgccgtga ccctgcaaca ggtggccccct tcgaagctgt ccagccacag ccgcagcggc 360

attgagatcc tcgtcctcga cgttgctccc cttccgctag acacggtgtt cgtcaacctg 420

gagagcgaat tgacacaacg gctggagagc ggcgagggca ccttttacaa ggac 474

<210> 1952
<211> 518
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316005a09b1

<400> 1952

tcttcccgca cctagcaaat ggtaagccaa gaaagccaac tgacggcatt gcacatgatt 60

tgacaaagaa atgctgctgc tgctattcaa cgagatcgat tctaacctca aagcgcccag 120

atcccaatga cgagctcgtc gacgatgtcc accacgttgc agtcgcgcca tgggccccga 180

atgcgaaccc cgtcgacatg gcctggtccg ttgtgccggt actgcgatcc ggcgacttgt 240

cccattcgac catccagttc tcgccctcct cgtcggcgct tcagagcttt gccgtgaccc 300

tgcaacaggt ggccccttcg aagctgtcca gccacagccg cagcggcatt gagatcctcg 360

tcctcgacgt tgctcccctt ccgctagaca cggtgttcgt caacctggag agcgaattga 420

caaaacggct ggagagcggc gagggcacct tttacaagga ccatccgaca agccccaatg 480

ccaaggacgt tgtcaacatg acgcccgagg agcgtcta 518

<210> 1953
<211> 528
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316005a10b1

<400> 1953

tcaacacttt gttacatcta gcggatttgg atttctttaa caactaaggt tcctgttttt 60

aacattttaa tgccaagggc ttttgcccat ctccaatagc taacaagaac tctttctttt 120

ctttacaaat cccaaaacct ttactagact ttttctgctt ctttagctta cttcacctag 180

agtcttctac cttttcttat cattgaatca acccctttt ttttttcttt taaacacatc 240

ccaacccaaa gtataagcgc ccacctagtc ctatctagtc cgaaaaatgc gaactagaac 300

tacatgagac actatctctg tcgttacgaa cctaacactt tctaccaagc ttaatcggaa 360

taagacctca caaacactca caagttatat agggcttgaa agaaagtcta ggtttgggtt 420

tgggttaact gctctaataa ggagagtcag ctacttggat taaaaagagt gatcaaaatg 480

aataagaaaa tccaagtatt ttacggtatc catgagttca aatttgat 528

<210> 1954
<211> 524
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316005a12b1

<400> 1954

gttctccgac ctcttcccgc acctagcaaa tggtaagcca agaaagccaa ctgacggcat 60

tgcacatgag cagacaaaga aatgctgctg ctgctattca acgagatcga ttctaacctc 120

aaagcgccca gatcccaatg acgagctcgt cgacgatgtc caccacgttg cagtcgcgcc 180

atgggccccg aatgcgaacc ccgtcgacat ggcctggtcc gttgtgccgg tactgcgatc 240

cggcgacttg tcccattcga ccatccagtt ctcgccctcc tcgtcggcgc ttcagagctt 300

cgccgtgacc ctgcaacagg tggccccttc gaagctgtcc agccacagcc gcagcggcat 360

tgagatcctc gtcctcgacg ttgctcccct tccgctagac acggtgttcg tcaacctgga 420

gagcgaattg acaaaacggc tggagagcgg cgagggcacc ttttacaagg accatccgac 480

aagccccaat gccaaggacg ttgccaacat gacgcccgag gagc 524

<210> 1955
<211> 434
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316005b01b1

<400> 1955

ggttaagcga agatgtcggg gcgcggcaag ggaggcaagg gtctgggcaa gggcggcgcc 60

aagcgccacc ggaaggtgct gcgggacaac atccagggca tcaccaagcc ggcgatccgg 120

cgcctggcgc ggcggggcgg cgtgaagcgc atctcggggc tcatctacga ggagacccgc 180

ggcgtgctca agatcttcct cgagaacgtc atccgcgacg ccgtcaccta caccgagcac 240

gcccgccgca agaccgtcac cgccatggac gtcgtctacg ccctcaagcg ccagggacgc 300

accctctacg gattcggggg ctaggctccg gcgaggcgaa tcgagctcgc accacttgat 360

cagatgttca gattagcagt agctaggcgt tgttcagtgt tcacggtgat cgatgtaatt 420

tatgatgtat ggtg 434

<210> 1956
<211> 514
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316005b04b1

<400> 1956

cacctagcaa atggtaagcc aagaaagcca actgacggca ttgcacatga gttgacaaag 60

aaatgctgct gctgctattc aacgagatcg attctaacct caaagcgccc agatcccaat 120

gacgagctcg tcgacgatgt ccaccacgtt gcagtcgcgc catgggcccc gaatgcgaac 180

cccgtcgaca tggcctggtc cgttgtgccg gtactgcgat ccggcgactt gtcccattcg 240

accatccagt tctcgccctc ctcgtcggcg cttcagagct tcgccgtgac cctgcaacag 300

gtggcccctt cgaagctgtc cagccacagc cgcagcggca ttgagatcct cgtcctcgac 360

gttgctcccc ttccgctaga cacggtgttc gtcaacctgg agagcgaatt gacaaaacgg 420

ctggagagcg gcgagggcac cttttacaag gaccatccga caagccccaa tgccaaggac 480

gttgccaaca tgacgcccga ggagcgtcta gcca 514

<210> 1957
<211> 553
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316005b07b1

<400> 1957

cactttgtta catctagcgg atttggattt ctttaacaac taaggttcct gtttttaaca 60

ttttaatgcc aagggctttt gcccatctcc aatagctaac aagaactctt tctttttctt 120

acaaatccca aaacctttac tagacttttt ctgcttcttt agcttacttc acctagagtc 180

ttctaccttt tcttatcatt gaatcaaccc ctttttttt ttcttttaaa cacatcccaa 240

cccaaagtat aagcgcccac ctagtcctat ctagtccgaa aaatgcgaac tagaactaca 300

tgagacacta tctctgtcgt tacgaaccta acactttcta ccaagcttaa tcggaataag 360

acctcacaaa cactcacaag ttatataggg cttgaaagaa agtctaggtt tgggtttggg 420

ttaactgctc taataaggag agtcagctac ttggattaaa aagagtgatc aaaatgaata 480

agaaaatcca agtattttac ggtatccatg agttcaaatt tgatgcagac atgataatta 540

aagattagat tca 553

<210> 1958
<211> 536
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316005b08b1

<400> 1958

cactttgtta catctagcgg atttggattt ctttaacaac taaggttcct gtttttaaca 60

ttttaatgcc aagggctttt gcccatctcc aatagctaac aagaactctt tctttttctt 120

acaaatccca aaacctttac tagacttttt ctgcttcttt agcttacttc acctagagtc 180

ttctaccttt tcttatcatt gaatcaaccc ctttttttt ttcttttaaa cacatcccaa 240

cccaaagtat aagcgcccac ctagtcctat ctagtccgaa aaatgcgaac tagaactaca 300

tgagacacta tctctgtcgt tacgaaccta acactttcta ccaagcttaa tcggaataag 360

acctcacaaa cactcacaag ttatataggg cttgaaagaa agtctaggtt tgggtttggg 420

ttaactgctc taataaggag agtcagctac ttggattaaa aagagtgatc aaaatgaata 480

agaaaatcca agtattttac ggtatccatg agttcaaatt tgatgcagac atgata 536

<210> 1959
<211> 555
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316005b10b1

<400> 1959

tcaacacttt gttacatcta gcggatttgg atttctttaa caactaaggt tcctgttttt 60

aacattttaa tgccaagggc ttttgcccat ctccaatagc taacaagaac tctttctttt 120

ctttacaaat cccaaaacct ttactagact ttttctgctt ctttagctta cttcacctag 180

agtcttctac cttttcttat cattgaatca acccctttt ttttttcttt taaacacatc 240

ccaacccaaa gtataagcgc ccacctagtc ctatctagtc cgaaaaatgc gaactagaac 300

tacatgagac actatctctg tcgttacgaa cctaacactt tctaccaagc ttaatcggaa 360

taagacctca caaacactca caagttatat agggcttgaa agaaagtcta ggtttgggtt 420

tgggttaact gctctaataa ggagagtcag ctacttggat taaaaagagt gatcaaaatg 480

aataagaaaa tccaagtatt ttacggtatc catgagttca aatttgatgc agacatgata 540

attaaagatt agatt 555

<210> 1960
<211> 569
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316005b11b1

<400> 1960

aacactttgt tacatctagc ggatttggat ttctttaaca actaaggttc ctgtttttaa 60

cattttaatg ccaagggctt ttgcccatct ccaatagcta acaagaactc tttcttttct 120

ttacaaatcc caaaaccttt actagacttt ttctgcttct ttagcttact tcacctagag 180

tcttctacct tttcttatca ttgaatcaac ccctttttt ttttctttta aacacatccc 240

aacccaaagt ataagcgccc acctagtcct atctagtccg aaaaatgcga actagaacta 300

catgagacac tatctctgtc gttacgaacc taacactttc taccaagctt aatcggaata 360

agacctcaca aacactcaca agttatatag ggcttgaaag aaagtctagg tttgggtttg 420

ggttaactgc tctaataagg agagtcagct acttggatta aaaagagtga tcaaaatgaa 480

taagaaaatc caagtatttt acggtatcca tgagttcaaa tttgatgcag acatgataat 540

taaagattag attcaggttc aaattgata 569

<210> 1961
<211> 537
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316005c01b1

<400> 1961

aacactttgt tacatctagc ggatttggat ttctttaaca actaaggttc ctgtttttaa 60

cattttaatg ccaagggctt ttgcccatct ccaatagcta acaagaactc tttcttttct 120

ttacaaatcc caaaaccttt actagacttt ttctgcttct ttagcttact tcacctagag 180

tcttctacct tttcttatca ttgaatcaac ccctttttt ttttctttta aacacatccc 240

aacccaaagt ataagcgccc acctagtcct atctagtccg aaaaatgcga actagaacta 300

catgagacac tatctctgtc gttacgaacc taacactttc taccaagctt aatcggaata 360

agacctcaca aacactcaca agttatatag ggcttgaaag aaagtctagg tttgggtttg 420

ggttaactgc tctaataagg agagtcagct acttggatta aaaagagtga tcaaaatgaa 480

taagaaaatc caagtatttt acggtatcca tgagttcaaa tttgatgcag acatgat 537

<210> 1962
<211> 523
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316005c03b1

<400> 1962

ttctccgacc tcttcccgca cctagcaaat ggtaagccaa gaaagccaac tgacggcatt 60

gcacttgagc tgacaaagaa atgctgctgc tgctattcaa cgagatcgat tctaacctca 120

aagcgcccag atcccaatga cgagctcgtc gacgatgtcc accacgttgc agtcgcgcca 180

tgggccccga atgcgaaccc cgtcgacatg gcctggtccg ttgtgccggt actgcgatcc 240

ggcgacttgt cccattcgac catccagttc tcgccctcct cgtcggcgct tcagagcttc 300

gccgtgaccc tgcaacaggt ggccccttcg aagctgtcca gccacagccg cagcggcatt 360

gagatcctcg tcctcgacgt tgctcccctt ccgctagaca cggtgttcgt caacctggag 420

agcgaatcga caaaacggct ggagagcggt gagggcacct tttacaagga ccatccgaca 480

agccccaatg ccaaggacgt tgccaacatg acgcccgagg agc 523

<210> 1963
<211> 539
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsf19316005c06b1

<400> 1963

acactttgtt acatctagcg gatttggatt tctttaacaa ctaaggttcc tgtttttaac 60

attttaatgc caatggcttt tgcccatctc caatagctaa caagaactct ttcttttctt 120

tacaaatccc aaaaccttta ctagactttt tctgcttctt tagcttactt cacctagagt 180

cttctacctt ttcttatcat tgaatcaacc ccttttttt tttcttttaa acacatccca 240

acccaaagta taagcgccca cctagtccta tctagtccga aaaatgcgaa ctagaactac 300

atgagacact atctctgtcg ttacgaacct aacactttct accaagctta atcggaataa 360

gacctcacaa acactcacaa gttatatagg gcttgaaaga aagtctaggt ttgggtttgg 420

gttaactgct ctaataagga gagtcagcta cttggattaa aaagagtgat caaaatgaat 480

aagaaaatcc aagtatttta cggtatccat gagttcaaat ttgatgcaga catgataat 539

<210> 1964
<211> 456
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316005c07b1

<400> 1964

caaatttaca cgctccctgc atttcgtgtt ctccccaaat atattactgc atcttcactt 60

tcacccccac catattatca ccgcaaaaat ggtggaccac ggtatatcct cacagctact 120

cctatcacac aggttatcat agagccattc aaacagagat ttcgaaaaga acccctgctg 180

cctccttcgc ggcacaaatc tgacccaaat ccccaattga gctggacagt ctctaagcac 240

gtgaagcaca gattcaactc cacctttaca aacctgagac acattcgagg cgctaagatg 300

tcttcgatgc cgttcctcat ctgtcataac tatgtccagt ttggttatat atattttctg 360

tttatactta tatttatata tatttttcct aaatataact attacttttg attatttgtt 420

aaacatgtcc atggatttaa ctcaatctca ataaat 456

<210> 1965
<211> 422
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316005c11b1

<400> 1965

cttcccgcac ctagcaaatg gtaagccaag aaagccaact gacggcattg cacatgatct 60

gacaaagaaa tgctgctgct gctattcaac gagatcgatt ctaacctcaa agcgcccaga 120

tcccaatgac gagctcgtcg acgatgtcca ccacgttgca gtcgcgccat gggccccgaa 180

tgcgaacccc gtcgacatgg cctggtccgt tgtgccggta ctgcgatccg gcgacttgtc 240

ccattcgacc atccagttct cgccctcctc gtcggcgctt cagagctttg ccgtgaccct 300

gcaacaggtg gcccttcga agctgtccag ccacagccgc agcggcattg agatcctcgt 360

cctcgacgtt gctccccttc cgctagacac ggtgttcgac aacctggaga gcgaattgac 420

aa 422

<210> 1966
<211> 588
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316005c12b1

<400> 1966

acactttgtt acatctagcg gatttggatt tctttaacaa ctaaggttcc tgtttttaac 60

attttaatgc caagggcttt tgcccatctc caatagctaa caagaactct ttcttttctt 120

tacaaatccc aaaaccttta ctagactttt tctgcttctt tagcttactt cacctagagt 180

cttctacctt ttcttatcat tgaatcaacc ccttttttt tttcttttaa acacatccca 240

acccaaagta taagcgccca cctagtccta tctagtccga aaaatgcgaa ctagaactac 300

atgagacact atctctgtcg ttacgaacct aacactttct accaagctta atcggaataa 360

gacctcacaa acactcacaa gttatatagg gcttgaaaga aagtctaggt ttgggtttgg 420

gttaactgct ctaataagga gagtcagcta cttggattaa aaagagtgat caaaatgaat 480

aagaaaatcc aagtatttta cggtatccat gagttcaaat ttgatgcaga catgataatt 540

aaagattaga ttcaggttca aattgatagg gaatggtatc agatcatg 588

<210> 1967
<211> 553
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316005d01b1

<400> 1967

aacactttgt tacatctagc ggatttggat ttctttaaca actaaggttc ctgtttttaa 60

cattttaatt ccaagggctt ttgcccatct ccaatagcta acaagaactc tttcttttct 120

ttacaaatcc caaaaccttt actagacttt ttctgcttct ttagcttact tcacctagag 180

tcttctacct tttcttatca ttgaatcaac ccctttttt ttttctttta aacacatccc 240

aacccaaagt ataagcgccc acctagtcct atctagtccg aaaaatgcga actagaacta 300

catgagacac tatctctgtc gttacgaacc taacactttc taccaagctt aatcggaata 360

agacctcaca aacactcaca agttatatag ggcttgaaag aaagtctagg tttgggtttg 420

ggttaactgc tctaataagg agagtcagct acttggatta aaaagagtga tcaaaatgaa 480

taagaaaatc caagtatttt acggtatcca tgagttcaaa tttgatgcag acatgataat 540

taaagattag att 553

<210> 1968
<211> 546
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316005d02b1

<400> 1968

aacactttgt tacatctagc ggatttggat ttctttaaca actaaggttc ctgtttttaa 60

cattttaatt ccaagggctt ttgcccatct ccaatagcta acaagaactc tttcttttct 120

ttacaaatcc caaaaccttt actagacttt ttctgcttct ttagcttact tcacctagag 180

tcttctacct tttcttatca ttgaatcaac ccctttttt ttttctttta aacacatccc 240

aacccaaagt ataagcgccc acctagtcct atctagtccg aaaaatgcga actagaacta 300

catgagacac tatctctgtc gttacgaacc taacactttc taccaagctt aatcggaata 360

agacctcaca aacactcaca agttatatag ggcttgaaag aaagtctagg tttgggtttg 420

ggttaactgc tctaataagg agagtcagct acttggatta aaaagagtga tcaaaatgaa 480

taagacaatc caagtatttt acggtatcca tgagttcaaa tttgatgcag acatgataat 540

taaaga 546

<210> 1969
<211> 546
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316005d03b1

<400> 1969

tcaacacttt gttacatcta gcggatttgg atttctttaa caactaaggt tcctgttttt 60

aacattttaa agccaagggc ttttgcccat ctccaatagc taacaagaac tctttctttt 120

ctttacaaat cccaaaacct ttactagact ttttctgctt ctttagctta cttcacctag 180

agtcttctac cttttcttat cattgaatca acccctttt ttttttcttt taaacacatc 240

ccaacccaaa gtataagcgc ccacctagtc ctatctagtc cgaaaaatgc gaactagaac 300

tacatgagac actatctctg tcgttacgaa cctaacactt tctaccaagc ttaatcggaa 360

taagacctca caaacactca caagttatat agggcttgaa agaaagtcta ggtttgggtt 420

tgggttaact gctctaataa ggagagtcag ctacttggat taaaaagagt gatcaaaatg 480

aataagaaaa tccaagtatt ttacggtatc catgagttca aatttgatgc agacatgata 540

attaaa 546

<210> 1970
<211> 544
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsf19316005d04b1

<400> 1970

cactttgtta cgtctagcgg atttggattt ctttaacaac taaggttcct gtttttaaca 60

ttttaatgcc aagggctttt gcccatctcc aatagctaac aagaactctt tcttttcttt 120

acaaatccca aaacctttac tagacttttt ctgcttcttt agcttacttc acctagagtc 180

ttctaccttt tcttatcatt gaatcaaccc ctttttttt ttcttttaaa cacatcccaa 240

cccaaagtat aagcgcccac ctagtcctat ctagtccgaa aaatgcgaac tagaactaca 300

tgagacacta tctctgtcgt tacgaaccta acactttcta ccaagcttaa tcggaataag 360

acctcacaaa cactcacaag ttatataggg cttgaaagaa agtctaggtt tgggtttggg 420

ttaactgctc taataaggag agtcagctac ttggattaaa aagagtgatc aaaatgaata 480

agaaaatcca agtattttac ggtatccatg agttcaaatt tgatgcagac atgataatta 540

aaga 544

<210> 1971
<211> 474
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsf19316005d06b1

<400> 1971

gttctccgac tctcttcccg cacctagcaa atggtaagcc aagaaagcca actgacggca 60

ttgcacatga gcttgacata gaaatgctgc tgctgctatt caacgagatc gattctaacc 120

tcaaagcgcc cagatcccaa tgacgagctc gtcgacgatg tccaccacgt tgcagtcgcg 180

ccatgggccc cgaatgcgaa ccccgtcgac atggcctggt ccgttgtgcc ggtactgcga 240

tccggcgact tgtcccattc gaccatccag ttctcgccct cctcgtcggc gcttcagagc 300

ttcgccgtga ccctgcaaca ggtggcccct tcgaagctgt ccagccacag ccgcagcggc 360

attgagatcc tcgtcctcga cgttgctccc cttccgctag acacggtgtt cgtcaacctg 420

gagagcgaat tgacaaaacg gctggagagc ggcgagggca ccttttacaa ggac 474

<210> 1972
<211> 588
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsf19316005d07b1

<400> 1972

cactttgtta catctagcgg atttggattt ctttaacaac taaggttcct gtttttaaca 60

ttttaatgcc aagggctttt gcccatctcc aatagctaac aagaactctt tcttttcttt 120

acaaatccca aaacctttac tagacttttt ctgcttcttt agcttacttc acctagagtc 180

ttctaccttt tcttatcatt gaatcaaccc ctttttttt ttcttttaaa cacatcccaa 240

cccaaagtat aagcgcccac ctagtcctat ctagtccgaa aaatgcgaac tagaactaca 300

tgagacacta tctctgtcgt tacgaaccta acactttcta ccaagcttaa tcggaataag 360

acctcacaaa cactcacaag ttatataggg cttgaaagaa agtctaggtt tgggtttggg 420

ttaactgctc taataaggag agtcagctac ttggattaaa aagagcgatc aaaatgaata 480

agaaaatcca agtattttac ggtatccatg agttcaaatt tgatgcagac atgataatta 540

aagattagat tcaggttcaa attgataggg aatggtatca gatcatga 588

<210> 1973
<211> 464
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsf19316005d12b1

<400> 1973

gttctccgac ctcttcccgc acctagcaaa tggtaagcca agaaagccaa ctgacggcat 60

tgcacatgat cagacaaaga aatgctgctg ctgctattca acgagatcga ttctaacctc 120

aaagcgccca gatcccaatg acgagctcgt cgacgatgtc caccacgttg cagtcgcgcc 180

atgggccccg aatgcgaacc ccgtcgacat ggcctggtcc gttgtgccgg tactgcgatc 240

cggcgacttg tcccattcga ccatccagtt ctcgccctcc tcgtcggcgc ttcagagctt 300

cgccgtgacc ctgcaacagg tggccccttc gaagctgtcc agccacagcc gcagcggcat 360

tgagatcctc gtcctcgacg ttgctcccct tccgctagac acggtgttcg tcaacctgga 420

gagcgaattg acaaaacggc tggagagcgg cgagggcacc tttt 464

<210> 1974
<211> 517
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316005e02b1

<400> 1974

cttcccgcac ctagcaaatg gtaagccaag aaagccaact gacggcattg cacttgagtt 60

tacaaagaaa tgctgctgct gctattcaac gagatcgatt ctaacctcaa agcgcccaga 120

tcccaatgac gagctcgtcg acgatgtcca ccacgttgca gtcgcgccat gggccccgaa 180

tgcgaacccc gtcgacatgg cctggtccgt tgtgccggta ctgcgatccg gcgacttgtc 240

ccattcgacc atccagttct cgccctcctc gtcggcgctt cagagcttcg ccgtgaccct 300

gcaacaggtg gcccttcga agctgtccag ccacagccgc agcggcattg agatcctcgt 360

cctcgacgtt gctccccttc cgctagacac ggtgttcgtc aacctggaga gcgaattgac 420

aaaacggctg gagagcggcg agggcacctt ttacaaggac catccgacaa gccccaatgc 480

caaggacgtt gccaacatga cgcccgagga gcgtcta 517

<210> 1975
<211> 397
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316005e05b1

<400> 1975

cgactctctg cccgcaccta gcaaatggtg agccaagaaa gccaactgac ggcattgcac 60

atgagtagac ttagaaatgc tgctgctgct attcagcgag atcgattcta acctcaaggg 120

gcccagatcc caatgacgag ctcgtcgacg atgtccacca cgttgcagtc gcgccatggg 180

ccccgaatgc gaaccccgtc gacatggcct ggtccgttgt gccggtactg cgatccggcg 240

acttgtccca ttcgaccatc cagttctcgc cctcctcgtc ggcgcttcag agctttgccg 300

tgaccctgca acaggtggcc ccttcgaagc tgtccagcca cagccgcagc ggcattgaga 360

tcctcgttct cgacgttgct ccccttccgg tagacac 397

<210> 1976
<211> 552
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsf19316005e06b1

<400> 1976

cactttgtta catctagcgg atttggattt ctttaacaac taaggttcct gtttttaaca 60

ttttaatgcc aagggctttt gcccatctcc aatagctaac aagaactctt tctttttctt 120

acaaatccca aaacctttac tagacttttt ctgcttcttt agcttacttc acctagagtc 180

ttctaccttt tcttatcatt gaatcaaccc ctttttttt ttcttttaaa cacatcccaa 240

cccaaagtat aagcgcccac ctagtcctat ctagtccgaa aaatgcgaac tagaactaca 300

tgagacacta tctctgtcgt tacgaaccta acactttcta ccaagcttaa tcggaataag 360

acctcacaaa cactcacaag ttatataggg cttgaaagaa agtctaggtt tgggtttggg 420

ttaactgctc taataaggag agtcagctac ttggattaaa aagagtgatc aaaatgaata 480

agaaaatcca agtattttac ggtatccatg agttcaaatt tgatgcagac atgataatta 540

aagattagat tc 552

<210> 1977
<211> 519
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsf19316005e07b1

<400> 1977

cgacctcttc ccgcacctag caaatggtaa gccaagaaag ccaactgacg gcattgcaca 60

tgagtctgac aaagaaatgc tgctgctgct attcaacgag atcgattcta acctcaaagc 120

gcccagatcc caatgacgag ctcgtcgacg atgtccacca cgttgcagtc gcgccatggg 180

ccccgaatgc gaaccccgtc gacatggcct ggtccgttgt gccggtactg cgatccggcg 240

acttgtccca ttcgaccatc cagttctcgc cctcctcgtc ggcgcttcag agcttcgccg 300

tgaccctgca acaggtggcc ccttcgaagc tgtccagcca cagccgcagc ggcattgaga 360

tcctcgtcct cgacgttgct ccccttccgc tagacacggt gttcgtcaac ctggagagcg 420

aattgacaaa acggctggag agcggtgagg gcacctttta caaggaccat ccgacaagcc 480

ccaatgccaa ggacgttgcc aacatgacgc ccgaggagc 519

<210> 1978
<211> 524
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316005e08b1

<400> 1978

gttctccgac ctcttcccgc acctagcaaa tggtaagcca agaaagccaa ctgacggcat 60

tgcacatgag ttgacaaaga aatgctgctg ctgctattca acgagatcga ttctaacctc 120

aaagcgccca gatcccaatg acgagctcgt cgacgatgtc caccacgttg cagtcgcgcc 180

atgggccccg aatgcgaacc ccgtcgacat ggcctggtcc gttgtgccgg tactgcgatc 240

cggcgacttg tcccattcga ccatccagtt ctcgccctcc tcgtcggcgc ttcagagctt 300

cgccgtgacc ctgcaacagg tggccccttc gaagctgtcc agccacagcc gcagcggcat 360

tgagatcctc gtcctcgacg ttgctcccct tccgctagac acggtgttcg tcaacctgga 420

gagcgaattg acaaaacggc tggagagcgg cgagggcacc ttttacatgg accatccgac 480

aagccccaat gccaaggacg ttgccaacat gacgcccgag gagc 524

<210> 1979
<211> 558
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316005e11b1

<400> 1979

aacgctcaac actttgttac atctagcgga tttggatttc tttaacaact aaggttcctg 60

tttttaacat tttaatgcca agggcttttg cccatctcca atagctaaca agaactcttt 120

cttttcttta caaatcccaa aacctttact agacttttc tgcttcttta gcttacttca 180

cctagagtct tctacctttt cttatcattg aatcaacccc ttttttttt tcttttaaac 240

acatcccaac ccaaagtata agcgcccacc tagtcctatc tagtccgaaa aatgcgaact 300

agaactacat gagacactat ctctgtcgtt acgaacctaa cactttctac caagcttaat 360

cggaataaga cctcacaaac actcacaagt tatatagggc ttgaaagaaa gtctaggttt 420

gggtttgggt taactgctct aataaggaga gtcagctact tggattaaaa agagtgatca 480

aaatgaataa gaaaatccaa gtattttacg gtatccatga gttcaaattt gatgcagaca 540

tgataattaa agattaga 558

<210> 1980
<211> 543
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsf19316005e12b1

<400> 1980

tcaacacttt gttacatcta gcggatttgg atttctttaa caactaaggt tcctgttttt 60

aacattttaa tgccaagggc ttttgcccat ctccaatagc taacaagaac tctttctttt 120

ctttacaaat cccaaaacct ttactagact ttttctgctt ctttagctta cttcacctag 180

agtcttctac cttttcttat cattgaatca acccctttt ttttttcttt taaacacatc 240

ccaacccaaa gtataagcgc ccacctagtc ctatctagtc cgaaaaatgc gaactagaac 300

tacatgagac actatctctg tcgttacgaa cctaacactt tctaccaagc ttaatcggaa 360

taagacctca caaacactca caagttatat agggcttgaa agaaagtcta ggtttgggtt 420

tgggttaact gctctaataa ggagagtcag ctacttggat taaaaagagt gatcaaaatg 480

aataagaaaa tccaagtatt ttacggtatc catgagttca aatttgatgc agacatgata 540

att 543

<210> 1981
<211> 494
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsf19316005f01b1

<400> 1981

gttctccgac tctcttcccg cacctagcaa atggtaagcc aagaaagcca actgacggca 60

ttgcacatga gttgacaaag aaatgctgct gctgctattc aacgagatcg attctaacct 120

caaagcgccc agatcccaat gacgagctcg tcgacgatgt ccaccacgtt gcagtcgcgc 180

catgggcccc gaatgcgaac cccgtcgaca tggcctggtc cgttgtgccg gtactgcgat 240

ccggcgactt gtcccattcg accatccagt tctcgccctc ctcgtcggcg cttcagagct 300

tcgccgtgac cctgcaacag gtggcccctt cgaagctgtc cagccacagc cgcagcggca 360

ttgagatcct cgtcctcgac gttgctcccc ttccgctaga cacggtgttc gtcaacctgg 420

agagcgaatt gacaaaacgg ctggagagcg gcgagggcac cttttacaag gaccatccga 480

caagccccaa tgcc 494

<210> 1982
<211> 473
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316005f02b1

<400> 1982

gttctccgac tctcttcccg cacctagcaa atggtaagcc aagaaagcca actgacggca 60

ttgcacatga gttgacaaag aaatgctgct gctgctattc aacgagatcg attctaacct 120

caaagcgccc agatcccaat gacgagctcg tcgacgatgt ccaccacgtt gcagtcgcgc 180

catgggcccc gaatgcgaac cccgtcgaca tggcctggtc cgttgtgccg gtactgcgat 240

ccggcgactt gtcccattcg accatccagt tctcgccctc ctcgtcggcg cttcagagct 300

tcgccgtgac cctgcaacag gtggcccctt cgaagctgtc cagccacagc cgcagcggca 360

ttgagatcct cgtcctcgac gttgctcccc ttccgctaga cacggtgttc gtcaacctgg 420

agagcgaatt gacaaaacgg ctggagagcg gcgagggcac cttttacaag gac 473

<210> 1983
<211> 469
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316005f05b1

<400> 1983

cgacctcttc ccgcacctag caaatggtaa gccaagaaag ccaactgacg gcattgcaca 60

tgatcttgac tttgaaatgc tgctgctgct attcaacgag atcgattcta acctcaaagc 120

gcccagatcc caatgacgag ctcgtcgacg atgtccacca cgttgcagtc gcgccatggg 180

ccccgaatgc gaaccccgtc gacatggcct ggtccgttgt gccggtactg cgatccggcg 240

acttgtccca ttcgaccatc cagttctcgc cctcctcgtc ggcgcttcag agcttcgccg 300

tgaccctgca acaggtggcc ccttcgaagc tgtccagcca cagccgcagc ggcattgaga 360

tcctcgtcct cgacgttgct ccccttccgc tagacacggt gttcgtcaac ctggagagcg 420

aattgacaaa acggctggag agcggcgagg gcacctttta caaggacca 469

<210> 1984
<211> 553
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsf19316005f07b1

<400> 1984

cactttgtta catctagcgg atttggattt ctttaacaac taaggttcct gtttttaaca 60

ttttaatgcc aagggctttt gcccatctcc aatagctaac aagaactctt tcttttcttt 120

acaaatccca aaacctttac tagacttttt ctgcttcttt agcttacttc acctagagtc 180

ttctaccttt tcttatcatt gaatcaaccc ctttttttt ttcttttaaa cacatcccaa 240

cccaaagtat aagcgcccac ctagtcctat ctagtccgaa aaatgcgaac tagaactaca 300

tgagacacta tctctgtcgt tacgaaccta acactttcta ccaagcttaa tcggaataag 360

acctcacaaa cactcacaag ttatataggg cttgaaagaa agtctaggtt tgggtttggg 420

ttaactgctc taataaggag agtcagctac ttggattaaa aagagtgatc aaaatgaata 480

agaaaatcca agtattttac ggtatccatg agttcaaatt tgatgcagac atgataatta 540

aagattagat tca 553

<210> 1985
<211> 526
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsf19316005f08b1

<400> 1985

acatctagcg gatttggatt tctttaacaa ctaaggttcc tgtttttaac attttaatgc 60

caagggcttt tgcccatctc caatagctaa caagaactct ttctgttctt tacaaatccc 120

aaaaccttta ctagactttt tctgcttctt tagcttactt cacctagagt cttctacctt 180

ttcttatcat tgaatcaacc ccttttttt tttcttttaa acacatccca acccaaagta 240

taagcgccca cctagtccta tctagtccga aaaatgcgaa ctagaactac atgagacact 300

atctctgtcg ttacgaacct aacactttct accaagctta atcggaataa gacctcacaa 360

acactcacaa gttatatagg gcttgaaaga aagtctaggt ttgggtttgg gttaactgct 420

ctaataagga gagtcagcta cttggattaa aaagagtgat caaaatgaat aagaaaatcc 480

aagtatttta cggtatccat gagttcaaat ttgatgcaga catgat 526

<210> 1986
<211> 535
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsf19316005f09b1

<400> 1986

acatctagcg gatttggatt tctttaacaa ctaaggttcc tgtttttaac attttaatgc 60

caagggcttt tgcccatctc caatagctaa caagaactct ttctttttctt tacaaatccc 120

aaaaccttta ctagactttt tctgcttctt tagcttactt cacctagagt cttctacctt 180

ttcttatcat tgaatcaacc ccttttttt tttcttttaa acacatccca acccaaagta 240

taagcgccca cctagtccta tctagtccga aaaatgcgaa ctagaactac atgagacact 300

atctctgtcg ttacgaacct aacactttct accaagctta atcggaataa gacctcacaa 360

acactcacaa gttatatagg gcttgaaaga aagtctaggt ttgggtttgg gttaactgct 420

ctaataagga gagtcagcta cttggattaa aaagagtgat caaaatgaat aagaaaatcc 480

aagtatttta cggtatccat gagttcaaat ttgatgcaga catgataatt aaaga 535

<210> 1987
<211> 297
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316005f12b1

<400> 1987

acgcttgcat cgtgctcgac ctcgaccccc tccctccccc ggccggcaat ccatggcgct 60

gcgcaacctg gccgggaagg tgcggatccc cacctctgct gctgcccggc tcccgatgcc 120

ccccacccgt gctgctttcc ggctcccatc ggaccctagc gttccgccgg cgaccgtttc 180

tcgggtcgag agcgccagag actggtacca gttccagcgg gcacgttatg atgatgtgac 240

aagagagttt agaaacttca ggcttgaggt tgtgcggtct gaaaaggagg ctaacct 297

<210> 1988
<211> 521
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316006a01b1

<400> 1988

cttcccgcac ctagcaaatg gtaagccaag aaagccaact gacggcattg cacatgagct 60

gacaaagtaa tgctgctgct gctattcaac gagatcgatt ctaacctcaa agcgcccaga 120

tcccaatgac gagctcgtcg acgatgtcca ccacgttgca gtcgcgccat gggccccgaa 180

tgcgaacccc gtcgacatgg cctggtccgt tgtgccggta ctgcgatccg gcgacttgtc 240

ccattcgacc atccagttct cgccctcctc gtcggcgctt cagagcttcg ccgtgaccct 300

gcaacaggtg gcccttcga agctgtccag ccacagccgc agcggcattg agatcctcgt 360

cctcgacgtt gctccccttc cgctagacac ggtgttcgtc aacctggaga gcgaattgac 420

aaaacggctg gagagcggcg agggcacctt ttacaaggac catccgacaa gccccaatgc 480

caaggacgtt gccaacatga cgcccgagga gcgtctagcc a 521

<210> 1989
<211> 512
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316006a02b1

<400> 1989

cttcccgcac ctagcaaatg gtaagccaag aaagccaact gacggcattg cacatgagtt 60

gacaaagaaa tgctgctgct gctattcaac gagatcgatt ctaacctcaa agcgcccaga 120

tcccaatgac gagctcgtcg acgatgtcca ccacgttgca gtcgcgccat gggccccgaa 180

tgcgaacccc gtcgacatgg cctggtccgt tgtgccggta ctgcgatccg gcgacttgtc 240

ccattcgacc atccagttct cgccctcctc gtcggtgctt cagagcttcg ccgtgaccct 300

gcaacaggtg gccccttcga agctgtccag ccacagccgc agcggcattg agatcctcgt 360

cctcgacgtt gctccccttc cgctagacac ggtgttcgtc aacctggaga gcgaattgac 420

aaaacggctg gagagcggcg agggcacctt ttacaaggac catccgacaa gccccaatgc 480

caaggacgtt gccaacatga cgcccgagga gc 512

<210> 1990
<211> 514
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316006a03b1

<400> 1990

actttgttac atctagcgga tttggatttc tttaacaact aaggttcctg tttttaacat 60

tttattgcca agggcttttg cccatctcca atagctaaca agaactcttt cttttcttta 120

caaatcccaa aacctttact agacttttttc tgcttcttta gcttacttca cctagagtct 180

tctacctttt cttatcattg aatcaacccc ttttttttttt tcttttaaac acatcccaac 240

ccaaagtata agcgcccacc tagtcctatc tagtccgaaa aatgcgaact agaactacat 300

gagacactat ctctgtcgtt acgaacctaa cactttctac caagcttaat cggaataaga 360

cctcacaaac actcacaagt tatatagggc ttgaaagaaa gtctaggttt gggtttgggt 420

taactgctct aataaggaga gtcagctact tggattaaaa agagtgatca aaatgaataa 480

gaaaatccaa gtattttacg gtatccatga gttc 514

<210> 1991
<211> 415
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316006a04b1

<400> 1991

ctcaacactt tgttacatct agcggatttg gatttcttta acaactaagg ttcctgtttt 60

taacatttta atgccaaggg cttttgccca tctccaatag ctaacaagaa ctctttcttt 120

tctttacaaa tcccaaaacc tttactagac tttttctgct tctttagctt acttcaccta 180

gagtcttcta ccttttctta tcattgaatc aaccccttt ttttttttctt ttaaacacat 240

cccaacccaa agtataagcg cccacctagt cctatctagt ccgaaaaatg cgaactagaa 300

ctacatgaga cactatctct gtcgttacga acctaacact ttctaccaag cttaatcgga 360

ataagacctc acaaacactc acaagttata tagggcttga aagaaagtct aggtt 415

<210> 1992
<211> 227
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316006a06b1

<400> 1992

gttctccgac ctcttcccgc acctagcaaa tggtaagcca agaaagccaa ctgacggcat 60

tgcacatgag ctgacaaaga aatgctgctg ctggtattca acgagatcga ttctaacctc 120

aaagcgccca gatcccaatg acgagctcgt cgacgatgtc caccacgttg cagtcgcgcc 180

atgggccccg aatgcgaacc ccgtcgacat ggcctggtcc gttgtgc 227

<210> 1993
<211> 507
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316006a08b1

<400> 1993

cgactctctt cccgcaccta gcaaatggta agccaagaaa gccaactgac ggcattgcac 60

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gcccagatcc caatgacgag ctcgtcgacg atgtccacca cgttgcagtc gcgccatggg 180

ccccgaatgc gaaccccgtc gacatggcct ggtccgttgt gccggtactg cgatccggcg 240

acttgtccca ttcgaccatc cagttctcgc cctcctcgtc ggcgcttcag agcttcgccg 300

tgaccctgca acaggtggcc ccttcgaagc tgtccagcca cagccgcagc ggcattgaga 360

tcctcgtcct cgacgttgct ccccttccgc tagacacggt gttcgtcaac ctggagagcg 420

aattgacaaa acggctggag agcggcgagg gcaccttta caaggaccat ccgacaagcc 480

ccaatgccaa ggacgttgcc aacatga 507

<210> 1994
<211> 540
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316006a10b1

<400> 1994

acatctagcg gatttggatt tctttaacaa ctaaggttcc tgtttttaac attttaaatc 60

caagggcttt tgcccatctc caatagctaa caagaactct ttcttttctt tacaaatccc 120

aaaaccttta ctagactttt tctgcttctt tagcttactt cacctagagt cttctacctt 180

ttcttatcat tgaatcaacc cctttttttt tttcttttaa acacatccca acccaaagta 240

taagcgccca cctagtccta tctagtccga aaaatgcgaa ctagaactac atgagacact 300

atctctgtcg ttacgaacct aacactttct accaagctta atcggaataa gacctcacaa 360

acactcacaa gttatatagg gcttgaaaga aagtctaggt ttgggtttgg gttaactgct 420

ctaataagga gagtcagcta cttggattaa aaagagtgat caaaatgaat aagaaaatcc 480

aagtatttta cggtatccat gagttcaaat ttgatgcaga catgataatt aaagattaga 540

<210> 1995
<211> 521
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316006a11b1

<400> 1995

tttgttacat ctagcggatt tggatttctt taacaactaa ggttcctgtt tttaacattt 60

taaagccaag ggcttttgcc catctccaat agctaacaag aactctttct tttctttaca 120

aatcccaaaa cctttactag actttttctg cttctttagc ttacttcacc tagagtcttc 180

tacctttttct tatcattgaa tcaacccctt ttttttttttc ttttaaacac atcccaaccc 240

aaagtataag cgcccaccta gtcctatcta gtccgaaaaa tgcgaactag aactacatga 300

gacactatct ctgtcgttac gaacctaaca ctttctacca agcttaatcg gaataagacc 360

tcacaaacac tcacaagtta tatagggctt gaaagaaagt ctaggtttgg gtttgggtta 420

actgctctaa taaggagagt cagctacttg gattaaaaag agtgatcaaa atgaataaga 480

aaatccaagt attttacggt atccatgagt tcaaatttga t 521

<210> 1996
<211> 406
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316006a12b1

<400> 1996

atttacgtcg cgcaccggcg ctccgacctc ttccgcgacc cctccgcggt cggcaagatc 60

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gccaagagga aggcggcgga gctggagaag gcagcggcgg ccgagaagga gagggtggtc 180

aaggccgcgg ccgagaagga gaagcgggag agctcggtgg tgacggagga gcggggtgca 240

gggagctcgg cggagaagga tggcagcacg gaggtggaga agaaggagag caaggcgaac 300

aaaccaaatg ctggcaatgg tcttgatatg gagaagtatt cctggactca gcagttacca 360

gaggttaatg tcaatgttcc tgttcctgaa ggaacaaagt caaggt 406

<210> 1997
<211> 553
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316006b01b1

<400> 1997

cactttgtta catctagcgg atttggattt ctttaacaac taaggttcct gtttttaaca 60

ttttaaagcc aagggctttt gcccatctcc aatagctaac aagaactctt tcttttcttt 120

acaaatccca aaacctttac tagacttttt ctgcttcttt agcttacttc acctagagtc 180

ttctaccttt tcttatcatt gaatcaaccc ctttttttt ttcttttaaa cacatcccaa 240

cccaaagtat aagcgcccac ctagtcctat ctagtccgaa aaatgcgaac tagaactaca 300

tgagacacta tctctgtcgt tacgaaccta acactttcta ccaagcttaa tcggaataag 360

acctcacaaa cactcacaag ttatataggg cttgaaagaa agtctaggtt tgggtttggg 420

ttaactgctc taataaggag agtcagctac ttggattaaa aagagtgatc aaaatgaata 480

agaaaatcca agtattttac ggtatccatg agttcaaatt tgatgcagac atgataatta 540

aagattagat tca 553

<210> 1998
<211> 407
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsf19316006b02b1

<400> 1998

ctctgtcctc ctcctgcccc tcccttctct cccctccgct cctcctcgcg cgcgcgcgtt 60

tttataaggg tttcggggcg cgggatggcc gacgacgaca gcgggagccc ccggggcggc 120

ggcggggtca gggagcagga ccgcttcctc cccatcgcca acatcagccg catcatgaag 180

aaggccgtgc cggccaacgg caagatcgcc aaggacgcca aggagaccct gcaggagtgc 240

gtctccgagt tcatctcctt cgtcaccagc gaggccagcg acaagtgcca gaaggagaag 300

cgcaagacca tcaacgggga cgatctgctc tgggccatgg ccacgctcgg attcgaggag 360

tacgtagacc ccctcaagat ctacctgcaa aagtacagag atatgga 407

<210> 1999
<211> 468
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsf19316006b03b1

<400> 1999

atctagcgga tttggacttc tttaacaact aaggttcctg tttttaacat tttaatgcca 60

agggcttttg cccatctcca atagctaaca agaactcttt cttttcttta caaatcccaa 120

aacctttact agacttttc tgcttcttta gcttacttca cctagagtct tctacctttt 180

cttatcattg aatcaacccc ttttttttt tcttttaaac acatcccaac ccaaagtata 240

agcgcccacc tagtcctatc tagtccgaaa aatgcgaact agaactacat gagacactat 300

ctctgtcgtt acgaacctaa cactttctac caagcttaat cggaataaga cctcacaaac 360

actcacaagt tatatagggc ttgaaagaaa gtctaggttt gggttcgggt taactgctct 420

aataaggaga gtcagctact tggattaaaa agagtgatca aaatgaat 468

<210> 2000
<211> 352
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316006b05b1

<400> 2000

cactttgtta catctagcgg atttggattt ctttaacaac taaggttcct gtttttatca 60

ttttaatgcc aagggctttt gcccatctgc aatagctaac aagaactctt tcttttcttt 120

acaaatccca aaacctttac tagacttttt ctgcttcttt agcttacttc acctagagtc 180

ttctaccttt tcttatcatt gaatcaaccc ctttttttt ttcttttaaa cacatcccaa 240

cccaaagtat aagcgcccac ctagtcctat ctagtccgaa aaatgcgaac tagaactaca 300

tgagacacta tctctgtcgt tacgaaccta acactttcta ccaagcttaa tc 352

<210> 2001
<211> 475
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316006b07b1

<400> 2001

actttgttac atctagcgga tttggatttc tttaacaact aaggttcctg tttttaacat 60

tttaaagcca agggcttttg cccatctcca atagctaaca agaactcttt cttttcttta 120

caaatcccaa aacctttact agacttttte tgcttcttta gcttacttca cctagagtct 180

tctacctttt cttatcattg aatcaacccc ttttttttt tcttttaaac acatcccaac 240

ccaaagtata agcgcccacc tagtcctatc tagtccgaaa aatgcgaact agaactacat 300

gagacactat ctctgtcgtt acgaacctaa cactttctac caagcttaat cggaataaga 360

cctcacaaac actcacaagt tatatagggc ttgaaagaaa gtctaggttt gggtttgggt 420

taactgctct aataaggaga gtcagctact tggattaaaa agagtgatca aaatg 475

<210> 2002
<211> 467
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316006b08b1

<400> 2002

cgacctcttc ccgcacctag caaatggtaa gccaagaaag ccaactgacg gcattgcaca 60

tgagctgaca atgaaatgct gctgctgcta ttcaacgaga tcgattttaa ccttaaagcg 120

cccagatccc aatgacgagc tcgtcgacga tgtccaccac gttgcagtcg cgccatgggc 180

cccgaatgcg aaccccgtcg acatggcctg gtccgttgtg ccggtactgc gatccggcga 240

cttgtcccat tcgaccatcc agttctcgcc ctcctcgtcg gcgcttcaga gcttcgccgt 300

gaccctgcaa caggtggccc cttcgaagct gttcagccac agccgcagcg gcattgagat 360

cctcgtcctc gacgttgctc cccttccgct agacacggtg ttcgtcaacc tggagagcga 420

attgacaaaa cggctggaga gcggcgaggg caccttttac aaggacc 467

<210> 2003
<211> 533
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316006b09b1

<400> 2003

actttgttac atctagcgga tttggatttc tttaacaact aaggttcctg tttttaacat 60

tttaaagcca agggcttttg cccatctcca atagctaaca agaactcttt ctttttcttta 120

caaatcccaa aacctttact agacttttttc tgcttcttta gcttacttca cctagagtct 180

tctacctttt cttatcattg aatcaacccc ttttttttttt tcttttaaac acatcccaac 240

ccaaagtata agcgcccacc tagtcctatc tagtccgaaa aatgcgaact agaactacat 300

gagacactat ctctgtcgtt acgaacctaa cactttctac caagcttaat cggaataaga 360

cctcacaaac actcacaagt tatatagggc ttgaaagaaa gtctaggttt gggtttgggt 420

taactgctct aataaggaga gtcagctact tggattaaaa agagtgatca aaatgaataa 480

gaaaatccaa gtattttacg gtatccatga gttcaaattt gatgcagaca tga 533

<210> 2004
<211> 454
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316006b11b1

<400> 2004

tttgttacat ctagcggatt tggatttctt taacaactaa ggttcctgtt tttaacattt 60

taaagccaag ggcttttgcc catctccaat agctaacaag aactctttct tttctttaca 120

aatcccaaaa cctttactag acttttttctg cttctttagc ttacttcacc tagagtcttc 180

taccttttct tatcattgaa tcaaccccctt ttttttttttc ttttaaacac atcccaaccc 240

aaagtataag cgcccaccta gtcctatcta gtccgaaaaa tgcgaactag aactacatga 300

gacactatct ctgtcgttac gaacctaaca ctttctacca agcttaatcg gaataagacc 360

tcacaaacac tcacaagtta tatagggctt gaaagaaagt ctaggtttgg gtttgggtta 420

actgctctaa taaggagagt cagctacttg gatt 454

<210> 2005
<211> 355
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316006c05b1

<400> 2005

ttaaaacctc actgcttgtt tcctgaaacc acaggtgttg aatttatggg gatactatcc 60

actcagtgta ataggatcat gggcattcgg cactattaac cgtatccatg atttcatcga 120

gccagggcat acgatcttct ggctctcagt tcttgacgtt gggacagctg ctctaatggt 180

agcaaaccta tcaaataaat aagttataca actcgccata gatcatcttt gctcttcccg 240

agtcgatgtt ctgaatgttg aattttcagg gcttgttcaa ttcaatagcc tatgggttca 300

acagctcagt gcgcttagca atccatgaga gactggagct gtaagtcacc accga 355

<210> 2006
<211> 457
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316006c08b1

<400> 2006

cttcccgcac ctagcaaatg gtaagccaag aaagccaact gacggcattg cacatgagct 60

tacattgaaa tgctgctgct gctattcaac gagatcgatt ctaacctcaa agcgcccaga 120

tcccaatgac gagctcgtcg acgatgtcca ccacgttgca gtcgcgccat gggccccgaa 180

tgcgaacccc gtcgacatgg cctggtccgt tgtgccggta ctgcgatccg gcgacttgtc 240

ccattcgacc atccagttct cgccctcctc gtcggcgctt cagagcttcg ccgtgaccct 300

gcaacaggtg gccccttcga agctgtccag ccacagccgc agcggcattg agatcctcgt 360

cctcgacgtt gctccccttc cgctagacac ggtgttcgtc aacctggaga gcgaattgac 420

aaaacggctg gagagcggcg agggcacctt ttacaag 457

<210> 2007
<211> 498
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsf19316006d01b1

<400> 2007

tagcggattt ggatttcttt aacaactaag gttcctgttt ttaacatttt aaagccaagg 60

gcttttgccc atctccaata gctgacaaga actctttctt ttctttacaa atcccaaaac 120

ctttactaga ctttttctgc ttctttagct tacttcacct agagtcttct acctttttctt 180

atcattgaat caacccctttt ttttttttct tttaaacaca tcccaaccca aagtataagc 240

gcccacctag tcctatctag tccgaaaaat gcgaactaga actacatgag acactatctc 300

tgtcgttacg aacctaacac tttctaccaa gcttaatcgg aataagacct cacaaacact 360

cacaagttat atagggctcg aaagaaagtc taggtttggg tttgggttaa ctgctctaat 420

aaggagagtc agctacttgg attaaaaaga gtgatcaaaa tgaataagaa aatgcaagta 480

ttttacgggt atcatgag 498

<210> 2008
<211> 484
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsf19316006d07b1

<400> 2008

cgacctcttc ccgcacctag caaatggtaa gccaagaaag ccaactgacg gcattgcaca 60

tgagctgaca atgaaatgct gctgctgcta ttcaacgaga tcgattctaa cctcaaagcg 120

cccagatccc aatgacgagc tcgtcgacga tgtccaccac gttgcagtcg cgccatgggc 180

cccgaatgcg aaccccgtcg acatggcctg gtccgttgtg ccggtactgc gatccggcga 240

cttgtcccat tcgaccatcc agttctcgcc ctcctcgtcg gcgcttcaga gcttcgccgt 300

gaccctgcaa caggtggccc cttcgaagct gtccagccac agccgcagcg gcattgagat 360

cctcgtcctc gacgttgctc cccttccgct agacacggtg ttcgtcaacc tggagagcga 420

attgacaaaa cggctggaga gcggcgaggg caccttttac aaggaccatc cgacaagccc 480

caat 484

<210> 2009
<211> 498
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsf19316006d10b1

<400> 2009

actttgttac atctagcgga tttggatttc tttaacaact aaggttcctg tttttaacat 60

tttaaagcca agggcttttg cccatctcca atagctaaca agaactcttt cttttcttta 120

caaatcccaa aacctttact agacttttttc tgcttcttta gcttacttca cctagagtct 180

tctacctttt cttatcattg aatcaacccc ttttttttttt tcttttaaac acatcccaac 240

ccaaagtata agcgcccacc tagtcctatc tagtccgaaa aatgcgaact agaactacat 300

gagacactat ctctgtcgtt acgaacctaa cactttctac caagcttaat cggaataaga 360

cctcacaaac actcacaagt tatatagggc ttgaaagaaa gtctaggttt gggtttgggt 420

taactgctct aataaggaga gtcagctact tggattaaaa agagtgatca aaatgaataa 480

gaaaatccaa gtatttta 498

<210> 2010
<211> 388
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsf19316006e02b1

<400> 2010

ctccgactct cttcccgcac ctagcaaatg gtgagccaag atagcctact gacggcattg 60

ctcatgagct gacaaagaaa tgctgctgct ggtattcaac gagatcgatt ctaacctcaa 120

agcgcccaga tcccaatgtc gagctcgtcg acgatgtcca ccacgttgca gtcgcgccat 180

gggccccgat tgcgaacccc gtcgacatgg cctggtccgt tgtgccggta ctgcgatccg 240

gcgacttgtc ccattcgacc atccagttct cgccctcctc gtgggcgctt cagagcttcg 300

ccgtgaccct gcaacaggtg gcccttcga agctgtccag ccacagccgc agcggcattg 360

agatcctcgt cctcgacgtt gctccct 388

<210> 2011
<211> 414
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsf19316006e04b1

<400> 2011

gatgctcttg ccttcagact cccgattaag gcccgacaga tatgcccttg agaagggcga 60

catgtctaaa tctggggcac acaagagcag gcttgaagaa caacaaagag ctgagaagaa 120

aattcgggac accaaggggg agcaatttac tccaaaatgg ttcaagatga cggaagacat 180

ctcccctacc ccgtggggcg acctggaggt gtatgaatac aatggcagat acgccgagca 240

ccgggctgcg atagacagct ctagcgtcgc tgccaaggag aaggacgtca gctccatcga 300

gttcaacccg tggcagtatg gcgacttgcc ttcccaatga tttcaatggg tctgaaacca 360

cccatatatt attttctcat cgaaaaagct atcaggcctt gtgctgatgc atac 414

<210> 2012
<211> 454
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsf19316006e05b1

<400> 2012

ctcttcccgc acctagcaaa tggtatgcca agaaagccaa ctgacggcat ttttcatgat 60

cttgacaaag aaatgctgct gctgctattc aacgagatcg attctaacct caaagcgccc 120

agatcccaat gacgagctcg tcgacgatgt ccaccacgtt gcagtcgcgc catgggcccc 180

gaatgcgaac cccgtcgaca tggcctggtc cgttgtgccg gtactgcgat ccggcgactt 240

gtcccattcg accatccagt tctcgccctc ctcgtcggcg cttcagagct tcgccgtgac 300

cctgcaacag gtggcccctt cgaagctgtc cagccacagc cgcagcggca ttgagatcct 360

cgtcctcgac gttgctcccc ttccgctaga cacggtgttc gtcaacctgg agagcgaatt 420

gacataacgg ttggagagcg gcgagggcac cttt 454

<210> 2013
<211> 318
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316006e06b1

<400> 2013

tctccgacct cttcccgcac ctagcaaatg gtatgccaag aaagccaact gacggcattg 60

tacatgagca gacaaagaaa tgctgctgct ggtattcaag gagatcgatt ctaacctcaa 120

agcgcccaga tcccaatgac gagctcgtcg acgatgtcca ccacgttgca gtcgcgccat 180

gggccccgaa tgcgaacccc gtcgacatgg cctggtccgt tgtgccggta ctgcgatccg 240

gcgacttgtc ccattcgacc atccagttct cgccctcctc gtcggcgctt cagagcttcg 300

ccgtgaccct gcaacagg 318

<210> 2014
<211> 301
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316006e07b1

<400> 2014

acctagcaaa tggtaagcca agaaagccaa ctgacggtat tgtacatgag ctgacattta 60

aatgctgctg ctgctattca acgagatcga ttctaacctt aaagcgccca gatcccaatg 120

acgagctcgt tgacgatgtc caccacgttg cagtcgcgcc atgggccccg aatgccaacc 180

ccgtcgacat ggcctggtcc gatgtgccgg tactgcgatc cggcgacttg ttccattcga 240

ccatccagtt ctcgccctcc tcgtcggcgc ttcagagctt cgccgtgacc ctgcaacagg 300

t 301

<210> 2015
<211> 466
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316006e11b1

<400> 2015

ttctccgact ctcttcccgc acctagcaaa tggtaagcca agaaagccaa ctgacggcat 60

tgcacatgag ctgacaaaga aatgctgctg ctgctattca acgagatcga ttctaacctc 120

aaagcgccca gatcccaatg acgagctcgt cgacgatgtc caccacgttg cagtcgcgcc 180

atgggccccg aatgcgaacc ccgtcgacat ggcctggtcc gttgtgccgg tactgcgatc 240

cggcgacttg tcccattcga ccatccagtt ctcgccctcc tcgtcggcgc ttcagagctt 300

cgccgtgacc ctgcaacagg tggccccttc gaagctgtcc agccacagcc gcagcggcat 360

tgagatcctc gtcctcgacg ttgctccccc tccgctagac acggtgttcg tcaacctgga 420

gagcgaattg acaaaaccgc tggagagcgg cgagggcacc ttttac 466

<210> 2016
<211> 253
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316006f01b1

<400> 2016

tcttcccgta cctagcaaat ggtaagccaa gaaagccaac tgacggcatt gcacatgagc 60

tgacaaagta atgctgctgc tgctattcaa cgagatcgat tgtaacctca aagcgcccag 120

atcccaatga ctagctcgtc gacgatgtcc accaccttgc agtcgcgcca tgggccccga 180

atgccaaccc cgtctacatg gcctggtccg ttgtgccggt actgcgatcc ggcgacttgt 240

ctcattcgac cat 253

<210> 2017
<211> 320

<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316006f02b1

<400> 2017

gttctccgtc tctcttcccg cacctagcaa atggtaagcc aagaaagcca actgacggca 60

ttgcacatga gctgacaaag aaatgctgct gctgctattc aacgagatcg attctaacct 120

caaagcgccc agatcccaat gacgagctcg tcgacgatgt ccaccacgtt gcagtcgcgc 180

catgggcccc gaatgcgaac cccgtcgaca tggcctggtc cgttgtgccg gtactgcgat 240

ccggcgactt gtcccattcg accatccagt tctcgccctc ctcgtcggcg ctttagagct 300

tcgccgtgac cctgcaacag 320

<210> 2018
<211> 298
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316006f04b1

<400> 2018

atctagcgga tttggatttc tttaacaact aagggccctg tttttaacat tgtatttcca 60

agggcttttg cccatctcca atagctaaca tgaactcttt cttttcttta caaattccaa 120

aacctttact agacttttc tgcttcttta gcttacttca cctagagtct tctacctttt 180

cttatcattg aatcaacccc ttttttttt tcttttaaac acatcccaac ccaaagtata 240

agcgcccacc tagtcctatt tagcccgaaa aatgcgaact agaactacat gagacact 298

<210> 2019
<211> 464
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316006f05b1

<400> 2019

cactttgtta catctagcgg atttggattt ctttaacaac taaggttcct gtttttaaca 60

ttttaatgcc aagggctttt gcccatctgc aatagctaac aagaactctt tcttttcttt 120

acaaatccca aaacctttac tagacttttt ctgcttcttt agcttacttc acctagagtc 180

ttctaccttt tcttatcatt gaatcaaccc ctttttttt ttcttttaaa cacatcccaa 240

cccaaagtat aagcgcccac ctagtcctat ctagtccgaa aaatgcgaac tagaactaca 300

tgagacacta tctctgtcgt tacgaaccta acactttcta ccaagcttaa tcggaataag 360

acctcacaaa cactcacaag ttatataggg cttgaaagaa agtctaggtt tgggtttggg 420

ttaactgctc taataaggag agtcagctac ttggattaaa aaga 464

<210> 2020
<211> 510
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316006f07b1

<400> 2020

cgacctcttc ccgcacctag caaatggtaa gccaagaaag ccaactgacg gcattgcaca 60

tgagctgaca attgaaatgc tgctgctgct attcaacgag atcgattcta acctcaaagc 120

gcccagatcc caatgacgag ctcgtcgacg atgtccacca cgttgcagtc gcgccatggg 180

ccccgaatgc gaaccccgtc gacatggcct ggtccgttgt gccggtactg cgatccggcg 240

acttgtccca ttcgaccatc cagttctcgc cctcctcgtc ggcgcttcag agcttcgccg 300

tgaccctgca acaggtggcc ccttcgaagc tgtccagcca cagccgtagc ggcattgaga 360

tcctcgtcct cgacgttgct ccccttccgc tagacacggt gttcgtcaac ctggagagcg 420

aattgacaaa acggctggag agcggcgagg gcacctttta caaggaccat tcgacaagcc 480

ccaatgccaa ggacgttgcc aacatgacgc 510

<210> 2021
<211> 509
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316006f09b1

<400> 2021

cgacctcttc ccgcacctag caaatggtaa gccaagaaag ccaactgacg gcattgcaca 60

tgagctgaca ttgaaatgct gctgctgcta ttcaacgaga tcgattctaa cctcaaagcg 120

cccagatccc aatgacgagc tcgtcgacga tgtccaccac gttgcagtcg cgccatgggc 180

cccgaatgcg aaccccgtcg acatggcctg gtccgttgtg ccggtactgc gatccggcga 240

cttgtcccat tcgaccatcc agttctcgcc ctcctcgtcg gcgcttcaga gcttcgccgt 300

gaccctgcaa caggtggccc cttcgaagct gctcagccac agccgcagcg gcattgagat 360

cctcgtcctc gacgttgctc cccttccgct agacacggtg ttcgtcaacc tggagagcga 420

attgacaaaa cggctggaga gcggcgaggg caccttttac aaggaccatc cgacaagccc 480

caatgccaag gacgttgcca acatgacgc 509

<210> 2022
<211> 394
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsf19316006f10b1

<400> 2022

gatttcttta acaactaagg ttcctgtttt taacatttta atttcaattt ctttcgccca 60

tctccaatag ctaacaagaa ctctttcttt tctttacaaa tcccaaaacc tttactagac 120

tttttctgct tctttagctt acttcaccta gagtcttcta ccttttctta tcattgaatc 180

aacccctttt tttttttctt ttaaacacat cccaacccaa agtataagcg cccacctagt 240

cctatctagt ccgaaaaatg cgaactagaa ctacatgaga cactatcttt gtcgttacga 300

acctaacact ttctaccaag cttaatcgga ataagacctt acacacactc acaagttata 360

tagggcttga aagaaagtct aggtttgggt ttgg 394

<210> 2023
<211> 418
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsf19316006f11b1

<400> 2023

actttgttac atctagcgga tttggatttc tttaacaact aaggttcctg tttttaacat 60

tttaatgtca agggctttgg cccatctgca atagctaaca agaactcttt cttttcttta 120

caaatcccaa aacctttact agacttttc tgcttcttta gcttacttca cctagagtct 180

tctaccttgt cttatcattg aatcaacccc ttttttttt tcttttaaac acatcccaac 240

ccaaagtata agcgcccacc tagtcctatc tagtccgaaa aatgcgaact agaactacat 300

gagacactat ctctgtggtt acgaacctaa cactttctac caagcttaat cggaataaga 360

ccttacaaac actcacaagt tatatagggc ttgaaagaaa gtctaggttt gggtttgg 418

<210> 2024
<211> 335
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316006g02b1

<400> 2024

agatgttcgt gttcgagaac ctgctggagc tcgaggatcg cgcgatccat atggtgctga 60

aggaagtcga atcggaaacg ctcatcatcg cgctgaaggg cgcaccgccc gcgctgcgcc 120

agaagttcct cgcgaacatg tcgcagcgtg cggccgaact gctcgccgag gatctcgacg 180

cgcgcggccc ggtgcgcgta tccgaagtcg agacgcagca gcgccgcatc ctgcagatcg 240

tgcgcaacct cgccgagagc ggccagatcg tgatcggcgg caaggcggaa gacgcgtatg 300

tctgattcgg cgagcgatcg cgcgggcacc ctcac 335

<210> 2025
<211> 403
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316006g03b1

<400> 2025

aacactttgt tacatctagc ggatttggat ttctttaaca actaaggttc ctgtttttaa 60

cattttaatg ccaagggctt ttgcccatct ccaatagctg acaagaactc tttcttttct 120

ttacaaatcc caaaaccttt actagacttt ttctgcttct ttagcttact tcacctagag 180

tcttctacct tttcttatca ttgaatcaac ccctttttt ttttctttta aacacatccc 240

aacccaaagt ataagcgccc acctagtcct atctagtccg aaaaatgcga actagaacta 300

catgagacac tatctctgtc gttacgaacc taacactttc taccaagctt aatcggaata 360

agacctcaca aacactcaca agttatatag ggcttgaaag aaa 403

<210> 2026
<211> 121
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316006g04b1

<400> 2026

gttctccgtc tctcttcccg cacctagcaa atggtaagcc aagaaagcca actgacggca 60

ttgcacatga tctgacaaag aaatgctgct gctgctattc aaggagatcg attctaacct 120

c 121

<210> 2027
<211> 563
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316006g06b1

<400> 2027

ctaacgctaa cactttgtta catctagcgg atttggattt ctttaacaac taaggttcct 60

gtttttaaca ttttaaagcc aagggctttt gcccatctcc aatagctaac aagaactctt 120

tcttttcttt acaaatccca aaacctttac tagacttttt ctgcttcttt agcttacttc 180

acctagagtc ttctaccttt tcttatcatt gaatcaaccc ctttttttt ttcttttaaa 240

cacatcccaa cccaaagtat aagcgcccac ctagtcctat ctagtccgaa aaatgcgaac 300

tagaactaca tgagacacta tctctgtcgt tacgaaccta acactttcta ccaagcttaa 360

tcggaataag acctcacaaa cactcacaag ttatataggg cttgaaagaa agtctaggtt 420

tgggtttggg ttaactgctc taataaggag agtcagctac ttggattaaa aagagtgatc 480

aaaatgaata agaaaatcca agtattttac ggtatccatg agttcaaatt tgatgcagac 540

atgataatta aagattagat tca 563

<210> 2028
<211> 414
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316006g07b1

<400> 2028

gcgggctgtt tgcgcaatgg cggcgggtcc cttcgcgctc cgcctagggc cgcgcctcgc 60

ggcgccggcc gtggcgagtg cgactagggg aggaggacgg ggaagtgacc gccctacggc 120

cagccgagcg ctggtgtcaa agaagtcaaa caaggaccac cgtttgtgga ttaggaaaga 180

cttggctggg tcagggaaga aggctctttg tcttgttaat actgtaacca agtggctgat 240

gagtaaaggt caggtgctga catggacaac gtacgataca ctgctgttgg ctctttctat 300

ggatggaaga gtagatgagg ctgagtcaat ttggaatact atcttacaaa cttatacacg 360

ctcagtgccc aagaagttgt tctctcggat gatccagatt tacaacacgc gcca 414

<210> 2029
<211> 429
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316006g08b1

<400> 2029

ttgttacatt tagcggattt ggatttcttt aacaactaag gttcctgttt ttaacatttt 60

aatgtccagt ttcttttgcc catctccaat agctaacaag aactctttct tttctttaca 120

aatcccaaaa cctttactag acttttttctg cttctttagc ttacttcacc tagagtcttc 180

taccttttct tatcattgaa tcaaccccctt ttttttttttc ttttaaacac atcccaaccc 240

aaagtataag cgcccaccta gtcctatcta gtccgaaaaa tgcgaactag aactacatga 300

gacactatct ttgtcgttac gaacctaaca ctttctacca agcttaatcg gaataagacc 360

tcacaaacac tcacaagtta tatagggctt gaaagaaagt ctaggttcgg gtttgggtta 420

actgctcta 429

<210> 2030
<211> 522
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316006g09b1

<400> 2030

acactttgtt acatctagcg gatttggatt tctttaacaa ctaaggttcc tgtttttaac 60

attttaatgc caagggcttt tgcccatctc caatagctaa caagaactct ttctttttctt 120

tacaaatccc aaaaccttta ctagactttt tctgcttctt tagcttactt cacctagagt 180

cttctacctt ttcttatcat tgaatcaacc ccttttttt tttcttttaa acacatccca 240

acccaaagta taagcgccca cctagtccta tctagtccga aaaatgcgaa ctagaactac 300

atgagacact atctctgtcg ttacgaacct aacactttct accaagctta atcggaataa 360

gacctcacaa acactcacaa gttatatagg gcttgaaaga aagtctaggt ttgggtttgg 420

gttaactgct ctaataagga gagtcagcta cttggattaa aaagagtgat caaaatgaat 480

aagaaaatcc aagtatttta cggtatccat gagttcaaat tt 522

<210> 2031
<211> 500
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316006g10b1

<400> 2031

actttgttac atctagcgga tttggatttc tttaacaact aaggttcctg tttttaacat 60

tttaaagcca agggcttttg cccatctcca atagctaaca agaactcttt cttttcttta 120

caaatcccaa aacctttact agacttttc tgcttcttta gcttacttca cctagagtct 180

tctacctttt cttatcattg aatcaacccc ttttttttt tcttttaaac acatcccaac 240

ccaaagtata agcgcccacc tagtcctatc tagtccgaaa aatgcgaact agaactacat 300

gagacactat ctctgtcgtt acgaacctaa cactttctac caagcttaat cggaataaga 360

cctcacaaac actcacaagt tatatagggc ttgaaagaaa gtctaggttt gggtttgggt 420

taactgctct aataaggaga gtcagctact tggattaaaa agagtgatca aaatgaataa 480

gaaaatccaa gtattttacg 500

<210> 2032
<211> 371
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316006g12b1

<400> 2032

tcggttttgc acaactcaag aaactacacc aacaaaccgg acatggctag aaagaataac 60

atggcgtcca agtctagcat ctccccccctc ctcttggcca ccgtcctggt ctccgtcttc 120

gccgccgtca cagccacagg tccatattgc tacgccggga tgggcctttc gatcaacccg 180

tttgaaggct gccgggagta tgtcgcacag caaacctgtg gcatcagcat atccgggtcg 240

gcggtgtcca ccgagccggg gaacacccca agggatcggt gctgcaagga gctttacgac 300

gcctcgcagc attgccggtg cgaggcagtg cgctacttca tagggcggag gtctgatccc 360

aattccagcg t 371

<210> 2033
<211> 393
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316006h01b1

<400> 2033

ctagcggatt tggatttctt taacaactaa ggttcctgtt tttaacattt taaagccaag 60

ggcttttgcc catctccaat agctaacaag aactctttct tttctttaca aatcccaaaa 120

cctttactag actttttctg cttctttagc ttacttcacc tagagtcttc tacctttttct 180

tatcattgaa tcaaccccctt tttttttttc ttttaaacac atcccaaccc aaagtataag 240

cgcccaccta gtcctatcta gtccgaaaaa tgcgaactag aactacatga gacactatct 300

ctgtcgttac gaacctaaca ctttctacca agcttaatcg gaataagacc tcacaaacac 360

tcacaagtta tatagggctt gaaagaaagt cta 393

<210> 2034
<211> 403
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316006h03b1

<400> 2034

aacactttgt tacatctagc ggatttggat ttctttaaca actaaggttc ctgtttttaa 60

cattttaaag ccaagggctt ttgcccatct gcaatagctg acaagaactc tttctttttct 120

ttacaaatcc caaaaccttt actagacttt ttctgcttct ttagcttact tcacctagag 180

tcttctacct tttcttatca ttgaatcaac ccctttttttt ttttctttta aacacatccc 240

aacccaaagt ataagcgccc acctagtcct atctagtccg aaaaatgcga actagaacta 300

catgagacac tatctctgtc gttacgaacc taacactttc taccaagctt aatcggaata 360

agacctcaca aacactcaca agttatatag ggcttgaaag aaa 403

<210> 2035
<211> 367
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316006h04b1

<400> 2035

gttctccgac ctcttcccgc acctagcaaa tggtaagcca agaaagccaa ctgacggcat 60

tgcacatgag ctgacaaaga aatgctgctg ctgctattca acgagatcga ttctaacctc 120

aaagcgccca gatcccaatg acgagctcgt cgacgatgtc caccacgttg cagtcgcgcc 180

atgggccccg aatgcgaacc ccgtcgacat ggcctggtcc gttgtgccgg tactgcgatc 240

cggcgacttg tcccattcga ccatccagtt ctcgccctcc tcgtcggcgc ttcagagctt 300

cgccgtgacc ctgcaacagg tggccccttc gaagctgtcc agccacagcc gcagcggcat 360

tgagatc 367

<210> 2036
<211> 309
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316006h05b1

<400> 2036

acactttgtt acatctagcg gatttggatt tctttaacaa ctaaggttcc tgtttttatc 60

attagattgt caagggcttc tgcccatctg gaatagctga caagatctct ttggttttct 120

ttacaaatcc caaaaccttt actagacttt ttctgcttct ttagcttact tcacctagag 180

tcttctacct tttcttatca ttgaatcaac ccctttttt ttttctttta aacacatccc 240

aacccaaagt ataagcgccc acctaggcct atctagtccg aaaaatgcga actagaacta 300

catgagaca 309

<210> 2037
<211> 501
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316006h06b1

<400> 2037

cactttgtta catctagcgg atttggattt ctttaacaac taaggttcct gtttttaaca 60

ttttaaagcc aagggctttt gcccatctcc aatagctaac aagaactctt tcttttcttt 120

acaaatccca aaacctttac tagacttttt ctgcttcttt agcttacttc acctagagtc 180

ttctaccttt tcttatcatt gaatcaaccc ctttttttt ttcttttaaa cacatcccaa 240

cccaaagtat aagcgcccac ctagtcctat ctagtccgaa aaatgcgaac tagaactaca 300

tgagacacta tctctgtcgt tacgaaccta acactttcta ccaagcttaa tcggaataag 360

acctcacaaa cactcacaag ttatataggg cttgaaagaa agtctaggtt tgggtttggg 420

ttaactgctc taataaggag agtcagctac ttggattaaa aagagtgatc aaaatgaata 480

agaaaatcca agtattttac g 501

<210> 2038
<211> 449
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316006h07b1

<400> 2038

acctagcaga tggtaagcca agaaagccaa ctgacggcat tgcacatgag ctgacattga 60

aatgctgctg ctgctattca acgagatcga ttttaacctc aaagcgccca gatcccaatg 120

acgagctcgt cgacgatgtc caccacgttg cagtcgcgcc atgggccccg aatgcgaacc 180

ccgtcgacat ggcctggtcc gttgtgccgg tactgcgatc cggcgacttg tcccattcga 240

ccatccagtt ctcgccctcc tcgtcggcgc ttcagagctt tgccgtgacc ctgcaacagg 300

tggccccttc gaagctgttc agccacagcc gcagcgggat tgagatcctc gtactcgacg 360

ttgctcccct tccgctagac acggtgttcg tcaacctgga gagcgaattg acaaaacgga 420

tggagagcgg cgagggcacc ttttacaag 449

<210> 2039
<211> 486
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316006h08b1

<400> 2039

cgactctctt cccgcaccta gcaaatggta agccaagaaa gccaactgac ggtattgcac 60

atgagctgac aattaaatgc tgctgctgct attcaacgag atcgattcta acctcaaagc 120

gcccagatcc caatgacgag ctcgtcgacg atgtccacca cgttgcagtc gcgccatggg 180

ccccgaatgc gaaccccgtc gacatggcct ggtccgttgt gccggtactg cgatccggcg 240

acttgtccca ttcgaccatc cagttctcgc cctcctcgtc ggcgcttcag agcttcgccg 300

tgaccctgca acaggtggcc ccttcgaagc tgtccagcca cagccgcagc ggcattgaga 360

tcctcgtcct cgacgttgct ccccttccgc tagacacggt gttcgtcaac ctggagagcg 420

aattgacaaa acggctggag agcggcgagg gcacctttta caaggaccat ccgacaagcc 480

ccaatg 486

<210> 2040
<211> 458
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316006h09b1

<400> 2040

ccgcacctag caaatggtga gccaagaaag ccaactgacg gtattgcaca tgatctgaca 60

aagaaatgct gctggtgcta ttcaacgaga tcgattctaa cctcaaagcg cccagatccc 120

aatgacgagc tcgtcgacga tgtccaccac gttgcagatc gcgccatggg ccccgaatgc 180

gaaccccgtc gacatggact ggtccgatgt gccggtactg cgatccggcg acttgtccca 240

ttcgaccatc cagttctggc cctcctcgtg ggcgcttcag agctttgccg tgaccctgca 300

acaggtggcc ccttcgaagc tgtccagcca cagccgcagc ggcattgaga tcctcgtcct 360

cgacgttgct acctttacgc tagacacggt gatcgacaac ctggagagcg aattgacaaa 420

acggttggag agcggcgagg gcacctttta caaggacc 458

<210> 2041
<211> 538
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316006h10b1

<400> 2041

actttgttac atctagcgga tttggatttc tttaacaact aaggttcctg tttttaacat 60

tttaaagcca agggcttttg cccatctcca atagctaaca agaactcttt cttttcttta 120

caaatcccaa aacctttact agacttttte tgcttcttta gcttacttca cctagagtct 180

tctacctttt cttatcattg aatcaacccc ttttttttt tcttttaaac acatcccaac 240

ccaaagtata agcgcccacc tagtcctatc tagtccgaaa aatgcgaact agaactacat 300

gagacactat ctctgtcgtt acgaacctaa cactttctac caagcttaat cggaataaga 360

cctcacaaac actcacaagt tatatagggc ttgaaagaaa gtctaggttt gggtttgggt 420

taactgctct aataaggaga gtcagctact tggattaaaa agagtgatca aaatgaataa 480

gaaaatccaa gtattttacg gtatccatga gttcaaattt gatgcagaca tgataatt 538

<210> 2042
<211> 551
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316006h11b1

<400> 2042

ctctaacgct caacactttg ttacatctag cggatttgga tttctttaac aactaaggtt 60

cctgttttta acattttaaa gccaagggct tttgcccatc tccaatagct aacaagaact 120

ctttcttttc tttacaaatc ccaaaacctt tactagactt tttctgcttc tttagcttac 180

ttcacctaga gtcttctacc ttttcttatc attgaatcaa ccccttttt ttttttcttt 240

aaacacatcc caacccaaag tataagcgcc cacctagtcc tatctagtcc gaaaaatgcg 300

aactagaact acatgagaca ctatctctgt cgttacgaac ctaacacttt ctaccaagct 360

taatcggaat aagacctcac aaacactcac aagttatata gggcttgaaa gaaagtctag 420

gtttgggttt gggttaactg ctctaataag gagagtcagc tacttggatt aaaaagagtg 480

atcaaaatga ataagaaaat ccaagtattt tacggtatcc atgagtttca aattgatgca 540

gacatgataa t 551

<210> 2043
<211> 498
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316006h12b1

<400> 2043

gttctccgac tctcttcccg cacctagcaa atggtaagcc aagaaagcca actgacggca 60

ttgcacatga gttgacaaag aaatgctgct gctgctattc aacgagatcg attctaacct 120

caaagcgccc agatcccaat gacgagctcg tcgacgatgt ccaccacgtt gcagtcgcgc 180

catgggcccc gaatgcgaac cccgtcgaca tggcctggtc cgttgtgccg gtactgcgat 240

ccggcgactt gtcccattcg accatccagt tctcgccctc ctcgtcggcg cttcagagct 300

tcgccgtgac cctgcaacag gtggcccctt cgaagctgtc cagccacagc cgcagcggca 360

ttgagatcct cgtcctcgac gttgctcccc ttccgctaga cacggtgttc gtcaacctgg 420

agagcgaatt gacaaaacgg ctggagagcg gcgagggcac cttttacaag gaccatccga 480

caagccccaa tgccaagg 498

<210> 2044
<211> 574
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316007a03b1

<400> 2044

cttcccgcac ctagcaaatg gtcagccaag aaagccaact gacggcattg cacatgagca 60

gactaagaaa tgctgctgct gctattcagc gagagcgatt ctaacctcaa ggcgcccaga 120

tcccaatgac gagctcgtcg acgatgtcca ccacgttgca gtcgcgccat gggccccgaa 180

tgcgaacccc gtcgacatgg cctggtccgt tgtgccggta ctgcgatccg gcgacttgtc 240

ccattcgacc atccagttct cgccctcctc gtcggcgctt cagagcttcg ccgtgaccct 300

gcaacaggtg gcccttcga agctgttcag ccacagccgc agcgggattg agatcctcgt 360

cctcgacgtt gctccccttc cgctagacac ggtgttcgtc aacctggaga gcgaattgac 420

aaaacggctg gagagcggcg agggcacctt ttacaaggac cattcgacaa gccccaatgc 480

caaggacgtt gccaacatga cgcccgagga gcgcctagcc acggcgctca gggcagctct 540

cagcaccctc aagattgtcc attccggcga tttg 574

<210> 2045
<211> 524
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsf19316007a04b1

<400> 2045

cactttgtta catctagcgg atttggattt ctttaacaac taaggttcct gtttttaaca 60

ttttaatgcc aagggctttt gcccatctcc aatagctaac aagaactctt tcttttcttt 120

acaaatccca aaacctttac tagacttttt ctgcttcttt agcttacttc acctagagtc 180

ttctaccttt tcttatcatt gaatcaaccc ctttttttt ttcttttaaa cacatcccaa 240

cccaaagtat aagcgcccac ctagtcctat ctagtccgaa aaatgcgaac tagaactaca 300

tgagacacta tctctgtcgt tacgaaccta acactttcta ccaagcttaa tcggaataag 360

acctcacaaa cactcacaag ttatataggg cttgaaagaa agtctaggtt tgggtttggg 420

ttaactgctc taataaggag agtcagctac ttggattaaa aagagtgatc aaaatgaata 480

agaaaatcca agtattttac ggtatccatg agttcaaatt tgat 524

<210> 2046
<211> 576
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsf19316007a05b1

<400> 2046

tgtggctgga tttcatcatt aaaacctcac tgcttgtttc ctgaaaccac aggtgttgaa 60

cagatgggga tactatccac tcattctaat aggatcatgg gcattcggca ctattaaccg 120

tatccatgat ttcatcgagc cagggcataa gatcttctgg ctctcagttc ttgacgttgg 180

gacagctgca ctaatggtag caaacctatc aaataaataa gttataaaat tcgccataga 240

tcatctttgc tcttcccgag tcgatgttct gaatgttgta ttttcagggc ttgttcaatt 300

caatagccta tggtttcaac agctcagtgc gtcgagcaat ccatgagaga ctggagctgt 360

aagtcaccac cgatctcttt ggtttgctat attattccca ataatcaatg aagcttgatt 420

tttatgaaac ccttggtctg ctagattctt gccagaacgg ctatatcgat ggcttccaag 480

caatttcaga ccaaaaaacc atctgattct acatcagcaa caacaacagc gaagcgaaat 540

ggtatcactc aagaccgagg accagcaatg acacta 576

<210> 2047
<211> 479
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316007a07b1

<400> 2047

cactttgtta catctagcgg atttggattt ctttaacaac taaggttcct gtttttaaca 60

ttttaaagcc aagggctttt gcccatctcc aatagctaac aagaactctt tcttttcttt 120

acaaatccca aaacctttac tagacttttt ctgcttcttt agcttacttc acctagagtc 180

ttctaccttt tcttatcatt gaatcaaccc ctttttttt ttcttttaaa cacatcccaa 240

cccaaagtat aagcgcccac ctagtcctat ctagtccgaa aaatgcgaac tagaactaca 300

tgagacacta tctctgtcgt tacgaaccta acactttcta ccaagcttaa tcggaataag 360

acctcacaaa cactcacaag ttatataggg cttgaaagaa agtctaggtt tgggtttggg 420

ctaactgctc taataaggag agtcagctac ttggattaaa aagagtgatc aaaatgaat 479

<210> 2048
<211> 537
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316007a08b1

<400> 2048

ctctaacgct caacactttg ttacatctag cggatttgga tttctttaac aactaaggtt 60

cctgttttta acattttaat gccaagggct ttgcccatc tccaatagct aacaagaact 120

ctttcttttc tttacaaatc ccaaaacctt tactagactt tttctgcttc tttagcttac 180

ttcacctaga gtcttctacc ttttcttatc attgaatcaa ccccttttt ttttttcttt 240

aaacacatcc caacccaaag tataagcgcc cacctagtcc tatctagtcc gaaaaatgcg 300

aactagaact acatgagaca ctatctctgt cgttacgaac ctaacacttt ctaccaagct 360

taatcggaat aagacctcac aaacactcac aagttatata gggcttgaaa gaaagtctag 420

gtttgggtct tgggctaact gctctaataa ggagagtcag ctacttggat taaaagagtg 480

atcaaaatga ataagaaaat ccaagtattt tacggtatcc atgagttcaa atttgat 537

<210> 2049
<211> 533
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316007a09b1

<400> 2049

ccgacctctt cccgcaccta gcaaatggta agccaagaaa gccaactgac ggcattgcac 60

atgatcagac aaagaaatgc tgctgctgct attcaacgag atcgattcta acctcaaggc 120

gcccagatcc caatgacgag ctcgtcgacg atgtccacca cgttgcagtc gcgccatggg 180

ccccgaatgc gaaccccgtc gacatggcct ggtccgttgt gccggtactg cgatccggcg 240

acttgtccca ttcgaccatc cagttctcgc cctcctcgtc ggcgcttcag agcttcgccg 300

tgaccctgca acaggtggcc ccttcgaagc tgtccagcca cagccgcagc ggcattgaga 360

tcctcgtcct cgacgttgct ccccttccgc tagacgagcg gtgttcgtca accttggaga 420

gcgaattgac aaaacggctg gagagcggcg agggcacctt ttacaaggac catccgacaa 480

gccccaatgc caaggacgtt gccaacatga cgcccgagga gcgtctagcc acg 533

<210> 2050
<211> 447
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316007a11b1

<400> 2050

cggatttgga ttcctttaac aactaaggtt cctgttttta acattttaaa gccaagggct 60

tttgcccatc tccaatagct aacaagaact ctttcttttc tttacaaatc ccaaaacctt 120

tactagactt tgtgtgcttc tttagcttac ttcacctaga gtcttctacc tttgcttatg 180

attgaatcaa cccgtgtttt tttttctttt aaacacatcc gaacccacag tgtaagcgcc 240

cacctagtcc tatctagtcc gaaaaatgcg aactagaact acatgagaca ctatctctgt 300

cgttacgaac ctaacacttt ctaccaagct taaggggaat aagacctcac aaacactcac 360

aagctatata gggcttgaaa gaaagcctag gtttgggttc ggggtaactg ctctaataag 420

gagagtcagc tacttggatt aaaaaga 447

<210> 2051
<211> 307
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316007b01b1

<400> 2051

tcttcccgca cctagcaaat ggtaagccaa gaaagccaac tgacggcatt gcacatgatc 60

agacaaagaa atgctgctgc tgctattcaa ggagatcgat tctaacctca aagcgcccag 120

atcccaatga cgagctcgtc gacgatgtcc accacgttgc agtcgcgcca tgggccccga 180

atgcgaaccc cgtcgacatg gcctggtccg ttgtgccggt actgcgatcc ggcgacttgt 240

cccattcgac catccagttc tcgccctcct cgtcggcgct tcagagcttc gccgtgaccc 300

tgcaaca 307

<210> 2052
<211> 582
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316007b02b1

<400> 2052

actttgttac atctagcgga tttggatttc tttaacaact aaggttcctg tttttaacat 60

tttaatgcca agggcttttg cccatctcca atagctaaca agaactcttt cttttcttta 120

caaatcccaa aacctttact agacttttc tgcttcttta gcttacttca cctagagtct 180

tctacctttt cttatcattg aatcaacccc ttttttttt tcttttaaac acatcccaac 240

ccaaagtata agcgcccacc tagtcctatc tagtccgaaa aatgcgaact agaactacat 300

gagacactat ctctgtcgtt acgaacctaa cactttctac caagcttaat cggaataaga 360

cctcacaaac actcacaagt tatatagggc ttgaaagaaa gtctaggttt gggtttgggt 420

taactgctct aataaggaga gtcagctact tggattaaaa agagtgatca aaatgaataa 480

gaaaatccaa gtattttacg gtatccatga gttcaaattt gatgcagaca tgataattaa 540

agattagatt caggttcaca ctgataggga atggtatcag at 582

<210> 2053
<211> 585
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsf19316007b05b1

<400> 2053

tttgttacat ctagcggatt tggatttctt taacaactaa ggttcctgtt tttaacattt 60

taatgccaag ggcttttgcc catctccaat agctaacaag aactctttct tttctttaca 120

aatcccaaaa cctttactag acttttttctg cttctttagc ttacttcacc tagagtcttc 180

taccttttct tatcattgaa tcaaccccctt ttttttttttc ttttaaacac atcccaaccc 240

aaagtataag cgcccaccta gtcctatcta gtccgaaaaa tgcgaactag aactacatga 300

gacactatct ctgtcgttac gaacctaaca ctttctacca agcttaatcg gaataagacc 360

tcacaaacac tcacaagtta tatagggctt gaaagaaagt ctaggtttgg gtttgggcta 420

actgctctaa taaggagagt cagctacttg gattaaaaag agtgatcaaa atgaataaga 480

aaatccaagt attttacggt atccatgagt tcaaatttga tgcagacatg ataattaaag 540

attagattca ggttcaaact gatagggaat ggtatcagat catga 585

<210> 2054
<211> 267
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsf19316007b06b1

<400> 2054

tcccgcacct agcaaatggt cagccaagaa agccagctga cggcattgca catgatcgga 60

caaagaaatg ctgctgctgc tattcagcga gatcgattct aacctcaaag cgcccagatc 120

ccaatgacga gctcgtggac gatgtccacc acgtagcaga cgcgccatgg gctcccgaat 180

gcgaaccccg acgacatggt ctggttcgtt gtgccggcac tgcgatccgg cgacttggcc 240

cattcgacca tccagttatc gccctcc 267

<210> 2055
<211> 514
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsf19316007b07b1

<400> 2055

gctaacactt tgtacatcta gcggatttgg atttctttaa caactaaggt tcctgttttt 60

aacattttaa agccaagggc ttttgcccat ctccaatagc taacaagaac tctttctttt 120

ctttacaaat cccaaaacct ttactagact ttttctgctt ctttagctta cttcacctag 180

agtcttctac cttttcttat cattgaatca acccctttt ttttttcttt taaacacatc 240

ccaacccaaa gtataagcgc ccacctagtc ctatctagtc cgaaaaatgc gaactagaac 300

tacatgagac actatctgtg ccgttacgaa cctaacactt tctaccaagc ttaatcggaa 360

tctgacctca catacactca caagttatat agggctagaa agaaagtcta ggtttgggtt 420

agggttaact gctctgataa ggagagtcag ctacttggat taaagagagt gatcaaaatg 480

aataagaaaa tccaagtatt ttacggtatc catg 514

<210> 2056
<211> 446
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsf19316007b09b1

<400> 2056

gtgacaggag aacattttat ggcgactgac atcatgtggg atcctactgg aagatttctc 60

gcgactgcag ttacctcggt tcatgagatg gaaaatggtt tccaaatttg gtccttcaat 120

gggaagctaa tttacaagat ttcaaaggat cacttctatc agttccaatg gcgcccgagg 180

ccaccatcac tacttactcc tgagaaggag gaggacatct caaagaacct caagcggtac 240

agcaagaagt atgaacaaga ggatctggac gtgtccaacc aggtgggtga gctagagcgc 300

aagagacgga cgcagcttca agaggaatgg caaggatggg tggccaagtg gaagcagctg 360

cacgaggagg agcgtgcata ccggatggag ctgagaggcg gggaggagag cgacaaggaa 420

gaagaggcgg agtacaagga gattga 446

<210> 2057
<211> 473
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316007b10b1

<400> 2057

tgttacatct agcggatttg gatttcttta acaactaagg ttcctgtttt taacatttta 60

aagccaaggg cttttgccca tctccaatag ctgacaagaa ctctttcttt tctttacaaa 120

tcccaaaacc tttactagac tttttctgct tctttagctt acttcaccta gagtcttcta 180

ccttttctta tcattgaatc aacccctttt tttttttctt ttaaacacat cccaacccaa 240

agtataagcg cccacctagt cctatctagt ccgaaaaatg cgaactagaa ctacatgaga 300

cactatctct gtcgttacga acctaacact ttctaccaag cttaatcgga ataagacctc 360

acaaacactc acaagttata tagggcttga aagaaagtct aggtttgggt ttgggttaac 420

tgctctaata aggagagtca gctacttgga ttaaaaagag tgatcaaaat gaa 473

<210> 2058
<211> 363
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316007b11b1

<400> 2058

tcgtttatat acatttggac ctgataaagt ggctggattt cttgagaagc atgatttaga 60

cctcatctgc cgagcccacc aggtcggtga ggatggcttc gagttctttg ctgatcgtca 120

gctagtaaca atattgtcgg cacctaatta ctgtggagaa ttcgataatg ctggtgccat 180

gatgagtgta gacgagacgc tgatgtgctc cttccaaata ctcaaacctg caaggaaaat 240

gttgcctggt tcaactaata acaagtctgg cttcaagtca atgagaggat ggtgacggtg 300

gcacggcgat tggtgagcaa gctgtggtct catttgcggg caggcacgtg cctaccacga 360

gcg 363

<210> 2059
<211> 53
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316007b12b1

<400> 2059

tcttcccgta cctagcaaat ggtaagccaa gaaagccaac tgtcggcatt gca 53

<210> 2060
<211> 441
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316007c02b1

<400> 2060

cgacctcttc ccgcacctag caaatggtaa gccaagaaag ccaactgacg gcattgcaca 60

tgagcagaca aagaaatgct gctgctgcta ttcagcgaga tcgattctaa cctcaaagcg 120

cccagatccc aatgacgagc tcgtcgacga tgtccaccac gttgcagtcg cgccatgggc 180

cccgaatgcg aaccccgtcg acatggcctg gtccgttgtg ccggtactgc gatccggcga 240

cttgtcccat tcgaccatcc agttctcgcc ctcctcgtcg gcgcttcaga gcttcgccgt 300

gaccctgcaa caggtggccc cttcgaagct gtccagccac agccgcagcg gcattgagat 360

cctcgttctc gacgttgctc cccttccgct agacacggtg ttcgtcaacc tggagagcga 420

attgacaaaa cggctggaga g 441

<210> 2061
<211> 526
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316007c03b1

<400> 2061

cactttgtta catctagcgg atttggattt ctttaacaac taaggttcct gtttttaaca 60

ttttaatgcc aagggctttt gcccatctcc aatagctaac aagaactctt tcttttcttt 120

acaaatccca aaacctttac tagacttttt ctgcttcttt agcttacttc acctagagtc 180

ttctaccttt tcttatcatt gaatcaaccc ctttttttt ttcttttaaa cacatcccaa 240

cccaaagtat aagcgcccac ctagtcctat ctagtccgaa aaatgcgaac tagaactaca 300

tgagacacta tctctgtcgt tacgaaccta acactttcta ccaagcttaa tcggaataag 360

acctcacaaa cactcacaag ttatataggg cttgaaagaa agtctaggtt ctggctctcg 420

ggttaactgc tctaataagg agagtcagct acttggatta aaaagagtga tcaaaatgaa 480

taagaaaatc caagtatttt acggtatcca tgagttcaaa tttgat 526

<210> 2062
<211> 362
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316007c04b1

<400> 2062

gttgttgcag gttgcaactg acaaatgcat catggggttt ctgtttttga tagtttgtgg 60

tgtgattgcc atcattgttg tcaagatcgt caacccgcat aacaagagca tcccagacat 120

cccgggactg gcgcctcctg cacctcctgc gcagaaccgg aagctgctat ccgtagatcc 180

tttcagaatg ctctgagcat tcgggaatgg aagtctcgtg ccatgcaggt ctctcgctct 240

gaagccaaaa cacacgatgt caactgttcc attggtgctt gcttgtacat tatacccgta 300

tgtaattttc tttgattggt tcattctttc cacactggct gctgttagct tcggattgtt 360

ag 362

<210> 2063
<211> 618
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316007c06b1

<400> 2063

ctctaacgct caacactttg ttacatctag cggatttgga tttctttaac aactaaggtt 60

cctgttttta acattttaat gccaagggct tttgcccatc tccaatagct aacaagaact 120

ctttcttttc tttacaaatc ccaaaacctt tactagactt tttctgcttc tttagcttac 180

ttcacctaga gtcttctacc ttttcttatc attgaatcaa ccccttttt ttttttcttt 240

aaacacatcc caacccaaag tataagcgcc cacctagtcc tatctagtcc gaaaaatgcg 300

aactagaact acatgagaca ctatctctgt cgttacgaac ctaacacttt ctaccaagct 360

taatcggaat aagacctcac aaacactcac aagttatata gggcttgaaa gaaagtctag 420

gtttgggttt gggttaactg ctctaataag gagagtcagc tacttggata aaaagagtga 480

tcaaaatgaa taagaaaatc caagtatttt acggtatcca tgagttcaaa tttgatgcag 540

acatgataat taaagattag attcaggttc aaattgatag ggaatggtat cagatcatga 600

cagtgtggtc gagtagag 618

<210> 2064
<211> 551
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316007c07b1

<400> 2064

aacactttgt tacatctagc ggatttggat ttctttaaca actaaggttc ctgtttttaa 60

cattttaaag ccaagggctt ttgcccatct ccaatagcta acaagaactc tttcttttct 120

ttacaaatcc caaaaccttt actagacttt ttctgcttct ttagcttact tcacctagag 180

tcttctacct tttcttatca ttgaatcaac ccctttttt ttttctttta aacacatccc 240

aacccaaagt ataagcgccc acctagtcct atctagtccg aaaaatgcga actagaacta 300

catgagacac tatctctgtc gttacgaacc taacactttc taccaagctt aatcggaata 360

agacctcaca aacactcaca agttatatag ggcttgaaag aaagtctagg tttgggtttg 420

ggttaactgc tctaataagg agagtcagct acttggataa aaagagtgat caaaatgaat 480

aagaaaatcc aagtatttta cggtatccat gagttcaaat ttgatgcaga catgataatt 540

aaagattaga t 551

<210> 2065
<211> 553
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316007c08b1

<400> 2065

cactttgtta catctagcgg atttggattt ctttaacaac taaggttcct gtttttaaca 60

ttttaatgcc aagggctttt gcccatctcc aatagctaac aagaactctt tcttttcttt 120

acaaatccca aaacctttac tagacttttt ctgcttcttt agcttacttc acctagagtc 180

ttctaccttt tcttatcatt gaatcaaccc ctttttttt ttcttttaaa cacatcccaa 240

cccaaagtat aagcgcccac ctagtcctat ctagtccgaa aaatgcgaac tagaactaca 300

tgagacacta tctctgtcgt tacgaaccta acactttcta ccaagcttaa tcggaataag 360

acctcacaaa cactcacaag ttatataggg cttgaaagaa agtctaggtt tgggtttggg 420

ttaactgctc taataaggag agtcagctac ttggattaaa aagagtgatc aaaatgaata 480

agaaaatcca agtattttac ggtatccatg agttcaaatt tgatgcagac atgataatta 540

aagattagat tca 553

<210> 2066
<211> 483
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316007c10b1

<400> 2066

cggatttgga tttctttaac aactaaggtt cctgttttta acattttaat gccaagggct 60

tttgcccatc tccaatagct aacaagaact ctttcttttc tttacaaatc ccaaaacctt 120

tactagactt tttctgcttc tttagcttac ttcacctaga gtcttctacc ttttcttatc 180

attgaatcaa ccccttttt ttttttttt aaacacatcc caacccaaag tataagcgcc 240

cacctagtcc tatctagtcc gaaaaatgcg aactagaact acatgagaca ctatctctgt 300

cgttacgaac ctaacacttt ctaccaagct taatcggaat aagacctcac aaacactcac 360

aagttatata gggcttgaaa gaaagtctag gtttgggttt gggttaactg ctctaataag 420

gagagtcagc tacttggatt aaaaagagtg atcaaaatga ataagaaaat ccaagtattt 480

tac 483

<210> 2067
<211> 432
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316007d02b1

<400> 2067

cttattttga gcacttggcc atggcgttca gcggcgccca gatgctcgct gccttcacca 60

tgggctttct actcatggcc ttctgtgtgg aggctcgggt atgcatgtcc cctagcaagt 120

cgtacaaaag gagcccttgc aagaacgtgc gctgcaccgc ggcctgtcac aaagaacact 180

tcaagggtgg gtactgctcc agtaagaagt caattgttgg cgatgacctc aacgaagaca 240

acgaggagaa cttctataag aaacgtccta agaaaaagac gtgcatgtgt acatatgaat 300

gcagtaaagc cccgccacca ccgtcagaac ctgatgtgcc agagccaccg ggtgaacccg 360

tggtgccgga tcctcagaag aagccgccac cgccatatga acgtgacgtg ccggagccgc 420

ccttgggaga ac 432

<210> 2068
<211> 528
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316007d03b1

<400> 2068

tagaggcatt cgagcgatac tctgtcaaag cagaaaatat caccgttgtt agtgttcctg 60

gcagctttga aattcctgtt gcagcacaga agcttgggaa gtctggaaag tatgatgcaa 120

ttttgtgcat tggggctgtg attagaggtg acacaaccca ctatgatgct gttgcaaact 180

ctgctgcttc aggtgtactc aatgctggat tgtctgctgg cgtcccctgc gtatttggtg 240

ttctgacctg tgatgacatg gaccaggcgc taaatcgtgc tggtggcaag gctggaaaca 300

aaggtgctga gaccgccata actgctattg agatggcctc gctgtttcgg catcacttag 360

cctgatgaca ccgaatgcta tggtcggcga gccagcaaga ttttctcccc tgttcgcggc 420

tatcggagtt tttcccccac atttgtttta aaatttcttt tttattgctg caggctagtg 480

tttgacatgt cgtttctaaa ttattttggt ctgtacgtat gtactctg 528

<210> 2069
<211> 554
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316007d04b1

<400> 2069

cactttgtta catctagcgg atttggattt ctttaacaac taaggttcct gtttttaaca 60

ttttaaagcc aagggctttt gcccatctcc aatagctaac aagaactctt tcttttcttt 120

acaaatccca aaacctttac tagacttttt ctgcttcttt agcttacttc acctagagtc 180

ttctaccttt tcttatcatt gaatcaaccc ctttttttt ttcttttaaa cacatcccaa 240

cccaaagtat aagcgcccac ctagtcctat ctagtccgaa aaatgcgaac tagaactaca 300

tgagacacta tctctgtcgt tacgaaccta acactttcta ccaagcttaa tcggaataag 360

acctcacaaa cactcacaag ttatataggg cttgaaagaa agtctaggtt tgtgctctgg 420

gttaactgct ctaataagga gagtcagcta cttggattaa aaagagtgat caaaatgaat 480

aagaaaatcc aagtatttta cggtatccat gagttcaaat ttgatgcaga catgataatt 540

aaagattaga ttca 554

<210> 2070
<211> 484
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316007d05b1

<400> 2070

cgacctcttc ccgcacctag caaatggtaa gccaagaaag ccaactgacg gcattgcaca 60

tgagcagaca aagaaatgct gctgctgcta ttcaacgaga tcgattctaa cctcaaagcg 120

cccagatccc aatgacgagc tcgtcgacga tgtccaccac gttgcagtcg cgccatgggc 180

cccgaatgcg aaccccgtcg acatggcctg gtccgttgtg ccggtactgc gatccggcga 240

cttgtcccat tcgaccatcc agttctcgcc ctcctcgtcg gcgcttcaga gcttcgccgt 300

gaccctgcaa caggtggccc cttcgaagct gtccagccac agccgcagcg gcattgagat 360

ccttcgtctc gacgttgctc cccttccgct agacacggtg ttcgtcaacc tggagagcga 420

attgacaaaa cggctggaga gcggcgaggg caccttttac aaggaccatc cgacaagccc 480

caat 484

<210> 2071
<211> 553
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsf19316007d07b1

<400> 2071

acactttgtt acatctagcg gatttggatt tctttaacaa ctaaggttcc tgtttttaac 60

attttatagc caagggcttt tgcccatctc caatagctaa caagaactct ttcttttctt 120

tacaaatccc aaaaccttta ctagactttt tctgcttctt tagcttactt cacctagagt 180

cttctacctt ttcttatcat tgaatcaacc ccttttttt tttcttttaa acacatccca 240

acccaaagta taagcgccca cctagtccta tctagtccga aaaatgcgaa ctagaactac 300

atgagacact atctctgtcg ttacgaacct aacactttct accaagctta atcggaataa 360

gacctcacaa acactcacaa gttatatagg gcttgaaaga aagtctaggt ttgggtttgg 420

gttaactgct ctaataagga gagtcagcta cttggattaa aaagagtgat caaaatgaat 480

aagaaaatcc aagtatttta cggtatccat gagttcaaat ttgatgcaga catgataatt 540

aaagattaga ttc 553

<210> 2072
<211> 522
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsf19316007d10b1

<400> 2072

ggtggatttc atattaaaac ctcactgctt gtttcctgaa accacaggtg ttgaacttat 60

ggggatacta tccactcatt ctaataggag catgggcatt cggcactatg aaccgtatcc 120

atgatttcat cgagccaggg cataagatct tctggctctc agttcttgac gttgggacag 180

ctgcactaat ggtagcaaac ctatcaaata aataagttat aaaattcgcc atagatcatc 240

tttgctcttc ccgagtcgat gttctgaatg ttgtattttc agggcttgtt caattcaata 300

gcctatggtt tcaacagctc agggcgtcga gcaatccatg agagactgga gctgtaagtc 360

accaccgatc tctttggttt gctatattat tcccaataat caatgaagct tgatttttat 420

gaaaacccttg gtctgctaga ttcttgccag aacggctata tcgatggctt ccaagcaatt 480

tcagaccaaa aaaccatctg attctacatg agcaacaaca ac 522

<210> 2073
<211> 523
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316007d12b1

<400> 2073

ttctccgacc tcttcccgca cctagcaaat ggtaagccaa gaaagccaac tgacggcatt 60

gcacatgagc tgacaaagaa atgctgctgc tgctattcaa cgagatcgat tctaacctca 120

aagcgcccag atcccaatga cgagctcgtc gacgatgtcc accacgttgc agtcgcgcca 180

tgggccccga atgcgaaccc cgtcgacatg gcctggtccg ttgtgccggt actgcgatcc 240

ggcgacttgt cccattcgac catccagttc tcgccctcct cgtcggcgct tcagagcttc 300

gccgtgaccc tgcaacaggt ggcccccttcg aagctgtcca gccacagccg cagcggcatt 360

gagatcctcg tcctcgacgt tgctcccctt ccgctagaca cggtgttcgt caacctggag 420

agcgaattga caaaacggct ggagagcggc gagggcacct tttacaagga ccatccgaca 480

agccccaatg ccaaggacgt tgccaacatg acgcccgagg agc 523

<210> 2074
<211> 523
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316007e04b1

<400> 2074

ttctccgacc tcttcccgca cctagcaaat ggtaagccaa gaaagccaac tgacggcatt 60

gcacatgagc agacaaagaa atgctgctgc tgctattcaa cgagatcgat tctaacctca 120

aagcgcccag atcccaatga cgagctcgtc gacgatgtcc accacgttgc agtcgcgcca 180

tgggccccga atgcgaaccc cgtcgacatg gcctggtccg ttgtgccggt actgcgatcc 240

ggcgacttgt cccattcgac catccagttc tcgccctcct cgtcggcgct tcagagcttc 300

gccgtgaccc tgcaacaggt ggcccccttcg aagctgtcca gccacagccg cagcggcatt 360

gagatcctcg tcctcgacgt tgctcccctt ccgctagaca cggtgttcgt caacctggag 420

agcgaattga caaaacggct ggagagcggc gagggcacct tttacaagga ccatccgaca 480

agccccaatg ccaaggacgt tgccaacatg acgcccgagg agc 523

<210> 2075
<211> 554
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316007e05b1

<400> 2075

gctaacactt tgttcatcta gcggatttgg atttctttaa caactaaggt tcctgttttt 60

aacattttaa agccaagggc ttttgcccat ctccaatagc taacaagaac tctttctttt 120

ctttacaaat cccaaaacct ttactagact ttttctgctt ctttagctta cttcacctag 180

agtcttctac cttttcttat cattgaatca acccctttt ttttttcttt taaacacatc 240

ccaacccaaa gtataagcgc ccacctagtc ctatctagtc cgaaaaatgc gaactagaac 300

tacatgagac actatctctg tcgttacgaa cctaacactt tctaccaagc ttaatcggaa 360

taagacctca caaacactca caagttatat agggcttgaa agaaagtcta ggtttgggtt 420

tgggttaact gctctaataa ggagagtcag ctacttggat aaaaagagtg atcaaaatga 480

ataagaaaac caagtatttt acggtatgca tgagttcaaa tttgatgcac acatgataat 540

taaagattag attc 554

<210> 2076
<211> 535
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316007e06b1

<400> 2076

cactttgtta catctagcgg atttggattt ctttaacaac taaggttcct gtttttaaca 60

ttttaaagcc aagggctttt gcccatctcc aatagctaac aagaactctt tcttttcttt 120

acaaatccca aaacctttac tagacttttt ctgcttcttt agcttacttc acctagagtc 180

ttctaccttt tcttatcatt gaatcaaccc ctttttttt ttcttttaaa cacatcccaa 240

cccaaagtat aagcgcccac ctagtcctat ctagtccgaa aaatgcgaac tagaactaca 300

tgagacacta tctctgtcgt tacgaaccta acactttcta ccaagcttaa tcggaataag 360

acctcacaaa cactcacaag ttatataggg cttgaaagaa agtctaggtt tgggtctggg 420

ttaactgctc taataaggag agtcagctac ttggattaaa aagagtgatc aaaatgaata 480

agaaaatcca agtattttac ggtatccatg agttcaaatt tgatgcagac atgat 535

<210> 2077
<211> 351
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316007e07b1

<400> 2077

tgttctccga cctcttcccg cacctagcgc atggtcagcc aagaaagcca actgacggca 60

ttgcatctat gagcagacaa agaaatgctg ctgctgctat tcaacgagat cgattctaac 120

ctcaaggcgc ccagatccca atgacgagct cgtcgacgat gtccaccacg ttgcagccgc 180

gccatgggcc ccgaatgcga accccgtcca catggcctgg tccgctgtgc cgccactgcg 240

atccggtgac ttgacccatt cgaccatgca gttctcgccc tcctcgccgg cgcttaacag 300

cttctccgtg accctgcaac aggtgggccc ttcgaagctg cccagccaca g 351

<210> 2078
<211> 568
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316007e08b1

<400> 2078

tgttctccga cctcttcccg cacctagcaa atggtaagcc aagaaagcca actgacggca 60

ttgcacatga tcagacaaag aaatgctgct gctgctattc aacgagatcg attctaacct 120

caaagcgccc agatcccaat gacgagctcg tcgacgatgt ccaccacgtt gcagtcgcgc 180

catgggcccc gaatgcgaac cccgtcgaca tggcctggtc cgttgtgccg gtactgcgat 240

ccggcgactt gtcccattcg accatccagt tctcgccctc ctcgtcggcg cttcagagct 300

tcgccgtgac cctgcaacag gtggcccctt cgaagctgtc cagccacagc cgcagcggca 360

ttgagatcct cgtcctcgac gttgctcccc ttccgctaga cacggtgttc gtcaacctgg 420

agagcgaatt gacaaaacgg ctggagagcg gcgagggcac cttttacaag gaccatccga 480

caagccccaa tgccaaggac gttgccaaca tgacgcccga ggagcgtcta gccacggcgc 540

tcagggcagc tctcagcacc ctcaagat 568

<210> 2079
<211> 386
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316007e10b1

<400> 2079

ttacatctag cggatttgga tttctttaac aactaaggct cctgttgtta acattttaaa 60

gccaagggct tttgcccatc tccaatagct aacaagaact ctttcttttc ttgacaaatc 120

ccaaaacctt tactagactt tttgtgcttc tttagcttac ttcacctaga gtcttctacc 180

ttttcttatc attgaatcaa ccccttttctt ttttttctttt aaacacatcc caacccaaag 240

tatcagcgcc cacctagtcc tatatagctc gaaaaatgcg aactagaact acatgagaca 300

ctatgtctgt cgttacgaac ctaacactct ataccaagct tactcggaat atgacctcac 360

aaacactcac acgctatcta gggctt 386

<210> 2080
<211> 392
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316007e12b1

<400> 2080

tctccgacct cttcccgcac ctagcaaatg gtaagccaag aaagccaact gacggcattg 60

cacatgagct gacaaagaaa tgctgctgct gctattcaac gagatcgatt ctaacctcaa 120

agcgcccaga tcccaatgac gagctcgtcg acgatgtcca ccacgttgca gtcgcgccat 180

gggccccgaa tgcgaacccc gtcgacatgg cctggtccgt tgtgccggta ctgcgatccg 240

gcgacttgtc ccattcgacc atccagttct cgccctcctc gtcggcgctt cagagcttcg 300

ccgtgaccct gcaacaggtg gcccttcga agctgtccag ccacagccgc agcggcattg 360

agatcctcgt cctcgacgtt gctccccttc cg 392

<210> 2081
<211> 550
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316007f01b1

<400> 2081

actttgttac atctagcgga tttggatttc tttaacaact aaggttcctg tttttaacat 60

tttaaagcca agggcttttg cccatctcca atagctaaca agaactcttt cttttcttta 120

caaatcccaa aacctttact agacttttc tgcttcttta gcttacttca cctagagtct 180

tctacctttt cttatcattg aatcaacccc ttttttttt tcttttaaac acatcccaac 240

ccaaagtata agcgcccacc tagtcctatc tagtccgaaa aatgcgaact agaactacat 300

gagacactat ctctgtcgtt acgaacctaa cactttctac caagcttaat cggaataaga 360

cctcacaaac actcacaagt tatatagggc ttgaaagaaa gtctaggttt gggtttgggt 420

taactgctct aataaggaga gtcagctact tggattaaaa gagtgatcaa aatgaataag 480

aaaatccaag tattttacgg tatccatgag ttcaaatttg atgcagacat gataattaaa 540

gattagattc 550

<210> 2082
<211> 553
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316007f04b1

<400> 2082

cactttgtta catctagcgg atttggattt ctttaacaac taaggttcct gtttttaaca 60

ttttaaagcc aagggctttt gcccatctcc aatagctaac aagaactctt tcttttcttt 120

acaaatccca aaacctttac tagacttttt ctgcttcttt agcttacttc acctagagtc 180

ttctaccttt tcttatcatt gaatcaaccc ctttttttt ttcttttaaa cacatcccaa 240

cccaaagtat aagcgcccac ctagtcctat ctagtccgaa aaatgcgaac tagaactaca 300

tgagacacta tctctgtcgt tacgaaccta acactttcta ccaagcttaa tcggaataag 360

acctcacaaa cactcacaag ttatataggg cttgaaagaa agtctaggtt tgggtttggg 420

ttaactgctc taataaggag agtcagctac ttggattaaa aagagtgatc aaaatgaata 480

agaaaatcca agtattttac ggtatccatg agttcaaatt tgatgcagac atgataatta 540

aagattagat tca 553

<210> 2083
<211> 566
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316007f07b1

<400> 2083

gctctaacgc tcaacacttt gttacatcta gcggatttgg atttctttaa caactaaggt 60

tcctgttttt aacattttaa agccaagggc ttttgcccat ctccaatagc taacaagaac 120

tctttctttt ctttacaaat cccaaaacct ttactagact ttttctgctt ctttagctta 180

cttcacctag agtcttctac cttttcttat cattgaatca acccctttt ttttttcttt 240

taaacacatc ccaacccaaa gtataagcgc ccacctagtc ctatctagtc cgaaaaatgc 300

gaactagaac tacatgagac actatctctg tcgttacgaa cctaacactt tctaccaagc 360

ttaatcggaa taagacctca caaacactca caagttatat agggcttgaa agaaagtcta 420

ggtttgggtt tgggttaact gctctaataa ggagagtcag ctacttggat taaaaagagt 480

gatcaaaatg aataagaaaa tccaagtatt ttacggtatc catgagttca aatttgatgc 540

agacatgata attaaagatt agattc 566

<210> 2084
<211> 536
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316007f08b1

<400> 2084

cactttgtta catctagcgg atttggattt ctttaacaac taaggttcct gtttttaaca 60

ttttaaagcc aagggctttt gcccatctcc aatagctaac aagaactctt tctttttctt 120

acaaatccca aaacctttac tagacttttt ctgcttcttt agcttacttc acctagagtc 180

ttctaccttt tcttatcatt gaatcaaccc ctttttttt ttcttttaaa cacatcccaa 240

cccaaagtat aagcgcccac ctagtcctat ctagtccgaa aaatgcgaac tagaactaca 300

tgagacacta tctctgtcgt tacgaaccta acactttcta ccaagcttaa tcggaataag 360

acctcacaaa cactcacaag ttatataggg cttgaaagaa agtctaggtt tgggtttggg 420

ttaactgctc taataaggag agtcagctac ttggattaaa aagagtgatc aaaatgaata 480

agaaaatcca agtattttac ggtatccatg agttcaaatt tgatgcagac atgata 536

<210> 2085
<211> 436
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316007f10b1

<400> 2085

ttacatctag cggatttgga tttctttaac aactaaggct cctgttgtta acattttaaa 60

gccaagggct tttgcccatc tccaatagct gacaagaact ctttcttttc tttacaaatc 120

ccaaaacctt tactagactt tttgtgcttc tttagcttac ttcacctaga gtcttctacc 180

ttttcttatc attgaatcaa ccccttttt ttttttcttt aaacacatcc caacccatag 240

tataagcgcc cacctagccc tatctagtcc gaaaaatgcg aactagaact acatgagaca 300

ctatctctgt ggttacgaac ctaacacttt ctaccaagct taatcggaat aagacctcac 360

aaacactcac aagctatata gggcttgaaa gaaagcctag gtttgggttc gggttaactg 420

ctctaataag gagagt 436

<210> 2086
<211> 336
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316007f12b1

<400> 2086

acactttgtt acatctagcg gatttggatt tctttaacaa ctaaggttcc tgtttttaac 60

attttaaagc caagggcttt tgcccatctc caatagctaa caagaactct ttctttttctt 120

tacaaatccc aaaaccttta ctagactttt tctgcttctt tagcttactt cacctagagt 180

cttctacctt ttcttatcat tgaatcaacc ccttttttttt tttcttttaa acacatccca 240

acccaaagta taagcgccca cctagtccta tctagtccga aaaatgcgaa ctagaactac 300

atgagacact atctctgtcg ttacgaacct aacact 336

<210> 2087
<211> 585
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316007g01b1

<400> 2087

actttgttac atctagcgga tttggatttc tttaacaact aaggttcctg tttttaacat 60

tttaatgcca agggcttttg cccatctcca atagctaaca agaactcttt cttttcttta 120

caaatcccaa aacctttact agacttttc tgcttcttta gcttacttca cctagagtct 180

tctacctttt cttatcattg aatcaacccc ttttttttt tcttttaaac acatcccaac 240

ccaaagtata agcgcccacc tagtcctatc tagtccgaaa aatgcgaact agaactacat 300

gagacactat ctctgtcgtt acgaacctaa cactttctac caagcttaat cggaataaga 360

cctcacaaac actcacaagt tatatagggc ttgaaagaaa gtctaggctt gggtttgggt 420

taactgctct aataaggaga gtcagctact tggattaaaa agagtgatca aaatgaataa 480

gaaaatccaa gtattttacg gtatccatga gttcaaattt gatgcagaca tgatcattaa 540

agattagatt caggttcaaa ttgataggga atggtatcag atcat 585

<210> 2088
<211> 578
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316007g02b1

<400> 2088

actttgttca tctagcggat ttggatttct ttaacaacta aggttcctgt ttttaacatt 60

ttaatgccaa gggcttttgc ccatctccaa tagctaacaa gaactctttc ttttctttac 120

aaatcccaaa acctttacta gacttttttct gcttctttag cttacttcac ctagagtctt 180

ctacctttc ttatcattga atcaacccct ttttttttt cttttaaaca catcccaacc 240

caaagtataa gcgcccacct agtcctatct agtccgaaaa atgcgaacta gaactacatg 300

agacactatc tctgtcgtta cgaacctaac actttctacc aagcttaatc ggaataagac 360

ctcacaaaca ctcacaagtt atatagggct tgaaagaaag tctaggtttg ggtttgggtt 420

aactgctcta ataaggagag tcagctactt ggattaaaag agtgatcaaa atgaataaga 480

aaatccaagt attttacggt atccatgagt tcaaatttga tgcagacatg ataattaaag 540

attagattca ggttcaaatt gatagggaat ggtatcag 578

<210> 2089
<211> 553
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316007g04b1

<400> 2089

cactttgtta catctagcgg atttggattt ctttaacaac taaggttcct gtttttaaca 60

ttttaaagcc aagggctttt gcccatctcc aatagctaac aagaactctt tcttttcttt 120

acaaatccca aaacctttac tagacttttt ctgcttcttt agcttacttc acctagagtc 180

ttctaccttt tcttatcatt gaatcaaccc ctttttttt ttcttttaaa cacatcccaa 240

cccaaagtat aagcgcccac ctagtcctat ctagtccgaa aaatgcgaac tagaactaca 300

tgagacacta tctctgtcgt tacgaaccta acactttcta ccaagcttaa tcggaataag 360

acctcacaaa cactcacaag ttatataggg cttgaaagaa agtctaggtt tgggtttggg 420

ttaactgctc taataaggag agtcagctac ttggattaaa aagagtgatc aaaatgaata 480

agaaaatcca agtattttac ggtatccatg agttcaaatt tgatgcagac atgataatta 540

aagattagat tca 553

<210> 2090
<211> 400
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316007g06b1

<400> 2090

actttgttca tctagcggat ttggatttct ttaacaacta aggttcctgt ttttaacatt 60

ttaaagccaa gggcttttgc ccatctccag atagctaaca agaactcttt cttttcttta 120

caaatcccaa aacctttact agacttttttc tgcttcttta gcttacttca cctagagtct 180

tctacctttt cttatcattg aatcaacccc ttttttttt tcttttaaac acatcccaac 240

ccaaagtata agcgcccacc tagtcctatc tagtccgaaa aatgcgaact agaactacat 300

gagacactat ctctgtggtt acgaacctaa cactttgtac caagcttaat cggaataaga 360

cctcacaaac actcacaagt tatatagggc ttgaaagaaa 400

<210> 2091
<211> 512
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316007g08b1

<400> 2091

cactttgtta catctagcgg atttggattt ctttaacaac taaggttcct gtttttaaca 60

ttttaaagcc aagggctttt gcccatctcc aatagctaac aagaactctt tcttttcttt 120

acaaatccca aaacctttac tagacttttt ctgcttcttt agcttacttc acctagagtc 180

ttctaccttt tcttatcatt gaatcaaccc ctttttttt ttcttttaaa cacatcccaa 240

cccaaagtat aagcgcccac ctagtcctat ctagtccgaa aaatgcgaac tagaactaca 300

tgagacacta tctctgtcgt tacgaaccta acactttcta ccaagcttaa tcggaataag 360

acctcacaaa cactcacaag ttatataggg cttgaaagaa agtctaggtt tgggtttggg 420

ttaactgctc taataaggag agtcagctac ttggattaaa aagagtgatc aaaatgaata 480

agaaaatcca agtattttac ggtatccatg ag 512

<210> 2092
<211> 518
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316007h01b1

<400> 2092

cgacctcttc ccgcacctag caaatggtaa gccaagaaag ccaactgacg gcattgcaca 60

tgagcagaca aagaaatgct gctgctgcta ttcagcgaga tcgattctaa cctcaaagcg 120

cccagatccc aatgacgagc tcgtcgacga tgtccaccac gttgcagtcg cgccatgggc 180

cccgaatgcg aaccccgtcg acatggcctg gtccgttgtg ccggtactgc gatccggcga 240

cttgtcccat tcgaccatcc agttctcgcc ctcctcgtcg gcgcttcaga gcttcgccgt 300

gaccctgcaa caggtggccc cttcgaagct gtccagccac agccgcagcg gcattgagat 360

cctcgatctc gacgttgctc cccttccgct agacacggtg ttcgtcaacc tggagagcga 420

atcgacaaaa cggctggaga gcggcgaggg caccttttac aaggaccatc cgacaagccc 480

caatgccaag gacgttgcca acatgacgcc cgaggagc 518

<210> 2093
<211> 577
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316007h02b1

<400> 2093

cactttgtac atctagcgga tttggatttc tttaacaact aaggttcctg tttttaacat 60

tttaaagcca agggcttttg cccatctcca atagctaaca agaactcttt cttttcttta 120

caaatcccaa aacctttact agacttttc tgcttcttta gcttacttca cctagagtct 180

tctacctttt cttatcattg aatcaacccc ttttttttt tcttttaaac acatcccaac 240

ccaaagtata agcgcccacc tagtcctatc tagtccgaaa aatgcgaact agaactacat 300

gagacactat ctctgtcgtt acgaacctaa cactttctac caagcttaat cggaataaga 360

cctcacaaac actcacaagt tatatagggc ttgaaagaaa gtctaggttt gggtctgggt 420

taactgctct aataaggaga gtcagctact tggattaaaa gagtgatcaa aatgaataag 480

aaaatccaag tattttacgg tattcatgag ttcaaatttg atgcagacat gataattaaa 540

gattagattc aggttcaaat tgatagggaa tggtatc 577

<210> 2094
<211> 554
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316007h04b1

<400> 2094

cgacctcttc ccgcacctag caaatggtaa gccaagaaag ccaactgacg gcattgcaca 60

tgagcagaca aagaaatgct gctgctgcta ttcaaggaga tcgattctaa cctcaaggcg 120

cccagatccc aatgacgagc tcgtcgacga tgtccaccac gttgcagtcg cgccatgggc 180

cccgaatgcg aaccccgtcg acatggcctg gtccgttgtg ccggtactgc gatccggcga 240

cttgtcccat tcgaccatcc agttctcgcc ctcctcgtcg gcgcttcaga gcttcgccgt 300

gaccctgcaa caggtggccc cttcgaagct gtccagccac agccgcagcg gcattgagat 360

cctcgtcctc gacgttgctc cccttccgct agacacggtg ttcgtcaacc tggagagcga 420

attgacaaaa cggctggaga gcggcgaggg caccttttac aaggaccatc cgacaagccc 480

caatgccaag gacgttgcca acatgacgcc cgaggagcgt ctagccacgg cgctcagggc 540

agctctcagc accc 554

<210> 2095
<211> 553
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsf19316007h05b1

<400> 2095

cactttgtta catctagcgg atttggattt ctttaacaac taaggttcct gtttttaaca 60

ttttaaagcc aagggctttt gcccatctcc aatagctaac aagaactctt tcttttcttt 120

acaaatccca aaacctttac tagacttttt ctgcttcttt agcttacttc acctagagtc 180

ttctaccttt tcttatcatt gaatcaaccc ctttttttt ttcttttaaa cacatcccaa 240

cccaaagtat aagcgcccac ctagtcctat ctagtccgaa aaatgcgaac tagaactaca 300

tgagacacta tctctgtcgt tacgaaccta acactttcta ccaagcttaa tcggaataag 360

acctcacaaa cactcacaag ttatataggg cttgaaagaa agtctaggtt tgggtttggg 420

ttaactgctc taataaggag agtcagctac ttggattaaa aagagtgatc aaaatgaata 480

agaaaatcca agtattttac ggtatccatg agttcaaatc tgatgcagac atgataatta 540

aagattagat tca 553

<210> 2096
<211> 552
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsf19316007h06b1

<400> 2096

actttgttac atctagcgga tttggatttc tttaacaact aaggttcctg tttttaacat 60

tttaatgcca agggcttttg cccatctcca gatagctaac aagaactctt tcttttcttt 120

acaaatccca aaacctttac tagacttttt ctgcttcttt agcttacttc acctagagtc 180

ttctaccttt tcttatcatt gaatcaaccc ctttttttt ttcttttaaa cacatcccaa 240

cccaaagtat aagcgcccac ctagtcctat ctagtccgaa aaatgcgaac tagaactaca 300

tgagacacta tctctgtcgt tacgaaccta acactttgta ccaagcttaa tcggaataag 360

acctcacaaa cactcacaag ttatataggg cttgaaagaa agtctaggtt tgggtttggg 420

ttaactgctc taataaggag agtcagctac ttggattaaa aagagtgatc aaaatgaata 480

agaaaatcca agtattttac ggtatgcatg agttcaaatt tgatgcagac atgataatta 540

aagattagat tc 552

<210> 2097
<211> 490
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsf19316007h08b1

<400> 2097

cttgaagaga aaggttgatg ctggcgctga cggtatagtc actcagcttt tctatgatac 60

cgatatcttt ctcaagtttg tgaacgactg ccgtcaaatt ggtataacat gccctattgt 120

tcctggcata atgccaataa ataactacaa aggatttgtg cgcatgactg gattctgcaa 180

aactaagatt ccagctgaga ttactgctgc cttggatcct attaaagaca atgaggaggc 240

tgtgaaagca tatggaatcc accttggtac tgagatgtgc aagaaaattt tggctagtgg 300

gatcaagact ttgcaccttt acacactaaa catggaaaag actgctttag caattttgat 360

gaatcttgga ttaatagagg agtccaagct ttcaagaaca ttaccttgga ggcctccaac 420

taatgttttc cgtgtcaaag aagatgttcg ccctatattc tgggccaaca gaccaaagag 480

ttacatctca 490

<210> 2098
<211> 479
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsf19316007h09b1

<400> 2098

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ttttaaagcc aagggctttt gcccatctcc aatagctaac aagaactctt tcttttcttt 120

acaaatccca aaacctttac tagacttttt ctgcttcttt agcttacttc acctagagtc 180

ttctaccttt tcttatcatt gaatcaaccc ctttttttt ttcttttaaa cacatcccaa 240

cccaaagtat aagcgcccac ctagtcctat ctagtccgaa aaatgcgaac tagaactaca 300

tgagacacta tctctgtcgt tacgaaccta acactttcta ccaagcttaa tcggaataag 360

acctcacaaa cactcacaag ttatataggg ctcgaaagaa agtctaggtt tgggtttggg 420

ttaactgctc taataaggag agtcagctac ttggattaaa aagagtgatc aaaatgaat 479

<210> 2099
<211> 422
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsf19316007h11b1

<400> 2099

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agggcttttg cccatctcca atagctgaca agaactcttt cttttcttta caaatgccaa 120

aacctttact agactttgtg tgcttgttta gcttacttca cctagagggt tctacctttt 180

cttatgattg aatcaacccg ttttttttt tcttgtaaac acatcccaac ccataggata 240

agcgcccacc tagtcctatc tagtccgcag aatgcgaact agaactacat gagacactat 300

ctgtgtggtt acgaacctaa cactttctac caagcttaat cggaataaga cctcacaaac 360

actcacatgc tatatagggc ttgaaagaaa gtctaggttt gggttcgggt taactgctct 420

aa 422

<210> 2100
<211> 481

<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316007h12b1

<400> 2100

tcttcccgca cctagcaaat ggtaagccaa gaaagccaac tgacggcatt gcacatgagc 60

tgacaaagaa atgctgctgc tgctattcaa cgagatcgat tctaacctca aagcgcccag 120

atcccaatga cgagctcgtc gacgatgtcc accacgttgc agtcgcgcca tgggccccga 180

atgcgaaccc cgtcgacatg gcctggtccg ttgtgccggt actgcgatcc ggcgacttgt 240

cccattcgac catccagttc tcgccctcct cgtcggcgct tcagagcttc gccgtgaccc 300

tgcaacaggt ggcccttcg aagctgtcca gccacagccg cagcggcatt gagatcctcg 360

tcctcgacgt tgctcccctt ccgctagaca cggtgttcgt caacctggag agcgaattga 420

caaaacggct ggagagcggc gagggcacct tttacaagga ccatccgaca agccccaatg 480

c 481

<210> 2101
<211> 403
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316009a05b1

<400> 2101

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ttttaaagcc aagggctttt gcccatctcc aatagctaac aagaactctt tcttttcttt 120

acaaatccca aaacctttac tagacttttt ctgcttcttt agcttacttc acctagagtc 180

ttctaccttt tcttatcatt gaatcaaccc ctttttttt ttcttttaaa cacatcccaa 240

cccaaagtat aagcgcccac ctagtcctat ctagtccgaa aaatgcgaac tagaactaca 300

tgagacacta tctctgtcgt tacgaaccta acactttcta ccaagcttaa tcggaataag 360

acctcacaaa cactcacaag ttatataggg cttgaaagaa agt 403

<210> 2102
<211> 403
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316009b01b1

<400> 2102

cactttgtta catctagcgg atttggattt ctttaacaac taaggttcct gtttttaaca 60

ttttaaagcc aagggctttt gcccatctcc aatagctaac aagaactctt tcttttcttt 120

acaaatccca aaacctttac tagacttttt ctgcttcttt agcttacttc acctagagtc 180

ttctaccttt tcttatcatt gaatcaaccc ctttttttt ttcttttaaa cacatcccaa 240

cccaaagtat aagcgcccac ctagtcctat ctagtccgaa aaatgcgaac tagaactaca 300

tgagacacta tctctgtcgt tacgaaccta acactttcta ccaagcttaa tcggaataag 360

acctcacaaa cactcacaag ttatataggg cttgaaagaa agt 403

<210> 2103
<211> 307
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316009b02b1

<400> 2103

actttgttac atctagcgga tttggatttc tttaacaact aaggttcctg tttttaacat 60

tttaaagcca agggcttttg cccatctcca atagctaaca agaactcttt cttttcttta 120

caaatcccaa aacctttact agacttttc tgcttcttta gcttacttca cctagagtct 180

tctacctttt cttatcattg aatcaacccc ttttttttt tcttttaaac acatcccaac 240

ccaaagtata agcgcccacc tagtcctatc tagtccgaaa aatgcgaact agaactacat 300

gagacac 307

<210> 2104
<211> 515
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316009b06b1

<400> 2104

gtgttctccg acctcttccc gcacctagca aatggtaagc caagaaagcc aactgacggc 60

attgcacatg agcagacaaa gaaatgctgc tgctgctatt caacgagatc gattctaacc 120

tcaaagcgcc cagatcccaa tgacgagctc gtcgacgatg tccaccacgt tgcagtcgcg 180

ccatgggccc cgaatgcgaa ccccgtcgac atggcctggt ccgttgtgcc ggtactgcga 240

tccggcgact tgtcccattc gaccatccag ttctcgccct cctcgtcggc gcttcagagc 300

ttcgccgtga ccctgcaaca ggtggccccc tcgaagctgt ccagccacag ccgcagcggc 360

attgagatcc tcgtcctcga cgttgctccc cttccgctag acacggtgtt cgtcaacctg 420

gagagcgaat tgacaaaacg gctggagagc ggcgagggca ccttttacaa ggaccatccg 480

acaagcccca atgccaagga cgttgccaac atgac 515

<210> 2105
<211> 367
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316009c01b1

<400> 2105

tcgttcctcg ggctcctcga ccgggtcctg ctcccgctct ggaggcgggt gaccggccac 60

acgccgacgc cgctgcagtg cgtgggcgcg ggccaggcgc tcaccgtgct gagcatggcc 120

gcgtcgtccc tcgtggagcg cgagcgcacc gccaccgtgc gcgcgcacgg tcaggagggc 180

gatccggcgt gggtgtcgcc gctgtcggcc atgtggctgg tgctgccgtt cgccgtggcc 240

ggggccgggg aggcgctgca ctttccggcg caggtgacgc tgtactacca ggagttcccg 300

ccgtcgctca agaacacggc cacgggcatg atggccatga tcgtcgcgct ggggttctac 360

ctgagca 367

<210> 2106
<211> 308
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316009c02b1

<400> 2106

ctcttcccgc acctagcaaa tggtaagcca tgaaagccaa ctgacggcat tgcacttgag 60

cagacaaaga aatgctgctg ctgctattca acgagatcga ttctaacctc aaagcgccca 120

gatcccaatg acgagctcgt cgacgatgtc caccacgttg cagtcgcgcc atgggccccg 180

aatgcgaacc ccgtcgacat ggcctggtcc gttgtgccgg tactgcgatc cggcgacttg 240

tcccattcga ccatccagtt ctcgccctcc tcgtcggcgc ttcagagctt cgccgtgacc 300

ctgcaaca 308

<210> 2107
<211> 547
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316009c06b1

<400> 2107

gctcaacact ttgttacatc tagcggattt ggatttcttt aacaactaag gttcctgttt 60

ttaacatttt aaagccaagg gcttttgccc atctccaata gctaacaaga actctttctt 120

ttctttacaa atcccaaaac ctttactaga ctttttctgc ttctttagct tacttcacct 180

agagtcttct acctttttctt atcattgaat caaccccttt ttttttttct tttaaacaca 240

tcccaaccca aagtataagc gcccacctag tcctatctag tccgaaaaat gcgaactaga 300

actacatgag acactatctc tgtcgttacg aacctaacac tttctaccaa gcttaatcgg 360

aataagacct cacaaacact cacaagttat atagggcttg aaagaaagtc taggtttggg 420

tttgggttaa ctgctctaat aaggagagtc agctacttgg attaaaaaga gtgatcaaaa 480

tgaataagaa aatccaagta ttttacggta tccatgagtt caaatttgat gcagacatga 540

taattaa 547

<210> 2108
<211> 466
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316009d03b1

<400> 2108

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attgcacatg agcagacaaa gaaatgctgc tgctgctatt caacgagatc gattctaacc 120

tcaaagcgcc cagatcccaa tgacgagctc gtcgacgatg tccaccacgt tgcagtcgcg 180

ccatgggccc cgaatgcgaa ccccgtcgac atggcctggt ccgttgtgcc ggtactgcga 240

tccggcgact tgtcccattc gaccatccag ttctcgccct cctcgtcggc gcttcagagc 300

ttcgccgtga ccctgcaaca ggtggccccc tcgaagctgt ccagccacag ccgcagcggc 360

attgagatcc tcgtcctcga cgttgctccc cttccgctag acacggtgtt tgtcaacctg 420

gagagcgaat tgacaaaacg gctggagagc ggcgagggca cctttt 466

<210> 2109
<211> 493
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsf19316009d05b1

<400> 2109

agctcaacac tttgttacat ctagcggatt tggatttctt taacaactaa ggttcctgtt 60

tttaacattt taaagccaag ggcttttgcc catctccaat agctaacaag aactctttct 120

tttctttaca aatcccaaaa cctttactag actttttctg cttctttagc ttacttcacc 180

tagagtcttc tacctttttct tatcattgaa tcaaccccctt ttttttttttc ttttaaacac 240

atcccaaccc aaagtataag cgcccaccta gtcctatcta gtccgaaaaa tgcgaactag 300

aactacatga gacactatct ctgtcgttac gaacctaaca ctttctacca agcttaatcg 360

gaataagacc tcacaaacac tcacaagtta tatagggctt gaaagaaagt ctaggtttgg 420

gtttgggtta actgctctaa taaggagagt cagctacttg gattaaaaag agtgatcaaa 480

atgaataaga aaa 493

<210> 2110
<211> 475
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsf19316009d06b1

<400> 2110

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attgcacatg agcagacaaa gaaatgctgc tgctgctatt caacgagatc gattctaacc 120

tcaaagcgcc cagatcccaa tgacgagctc gtcgacgatg tccaccacgt tgcagtcgcg 180

ccatgggccc cgaatgcgaa ccccgtcgac atggcctggt ccgttgtgcc ggtactgcga 240

tccggcgact tgtcccattc gaccatccag ttctcgccct cctcgtcggc gcttcagagc 300

ttcgccgtga ccctgcaaca ggtggcccct tcgaagctgt ccagccacag ccgcagcggc 360

attgagatcc tcgtcctcga cgttgctccc cttccgctag acacggtgtt cgtcaacctg 420

gagagcgaat tgacaaaacg gctggagagc ggcgagggca ccttttacaa ggacc 475

<210> 2111
<211> 552
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316009e01b1

<400> 2111

cactttgtta catctagcgg atttggattt ctttaacaac taaggttcct gtttttaaca 60

ttttaaagcc aagggctttt gcccatctcc aatagctaac aagaactctt tcttttcttt 120

acaaatccca aaacctttac tagacttttt ctgcttcttt agcttacttc acctagagtc 180

ttctaccttt tcttatcatt gaatcaaccc ctttttttt ttcttttaaa cacatcccaa 240

cccaaagtat aagcgcccac ctagtcctat ctagtccgaa aaatgcgaac tagaactaca 300

tgagacacta tctctgtcgt tacgaaccta acactttcta ccaagcttaa tcggaataag 360

acctcacaaa cactcacaag ttatataggg cttgaaagaa agtctaggct tgggtttggg 420

ttaactgctc taataaggag agtcagctac ttggattaaa aagagtgatc aaaatgaata 480

agaaaatcca agtattttac ggtatccatg agttcaaatt tgatgcagac atgataatta 540

aagattagat tc 552

<210> 2112
<211> 476
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316009e03b1

<400> 2112

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attgcacatg agcagacaaa gaaatgctgc tgctgctatt caacgagatc gattctaacc 120

tcaaagcgcc cagatcccaa tgacgagctc gtcgacgatg tccaccacgt tgcagtcgcg 180

ccatgggccc cgaatgcgaa ccccgtcgac atggcctggt ccgttgtgcc ggtactgcga 240

tccggcgact tgtcccattc gaccatccag ttctcgccct cctcgtcggc gcttcagagc 300

ttcgccgtga ccctgcaaca ggtggccccc tcgaagctgt ccagccacag ccgcagcggc 360

attgagatcc tcgtcctcga cgttgctccc cttccgctag acacggtgtt cgtcaacctg 420

gagagcgaat tgacaaaacg gctggagagc ggcgagggca ccttttacaa ggacca 476

<210> 2113
<211> 486
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsf19316009f01b1

<400> 2113

ccgacctctt cccgcaccta gcaaatggta agccaagaaa gccaactgac ggcattgcac 60

atgagcttac aaagaaatgc tgctgctgct attcaacgag atcgattcta acctcaaagc 120

gcccagatcc caatgacgag ctcgtcgacg atgtccacca cgttgcagtc gcgccatggg 180

ccccgaatgc gaaccccgtc gacatggcct ggtccgttgt gccggtactg cgatccggcg 240

acttgtccca ttcgaccatc cagttctcgc cctcctcgtc ggcgcttcag agcttcgccg 300

tgaccctgca acaggtggcc ccttcgaagc tgtccagcca cagccgcagc ggcattgaga 360

tcctcgtcct cgacgttgct ccccctttcgc tagacacggt gttcgtcaac ctggagagcg 420

aattgacaaa acggctggag agcggcgagg gcacctttta caaggaccat ccgacaagcc 480

ccaatg 486

<210> 2114
<211> 337
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsf19316009f04b1

<400> 2114

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gactatgtcg acgttagtgt agctgctggc acatccaagg gtcttgtggt gccggttatt 180

cgagatgctg acacaatgaa ctttgctgac atcgagaaag ggataaacaa ccttgccaag 240

aaggctactg agggggcgct gtcaattgac gagatggcgg gaggaacatt caccatctcc 300

aacggtggtg cctacggaag ccttattagc acgccca 337

<210> 2115
<211> 536
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316009g01b1

<400> 2115

tgttctccgt cctcttcccg cacctagcaa atggtaagcc aagaaagcca actgacggca 60

ttgcacttga gcagacaaag aaatgctgct gctgctattc aacgagatcg attctaacct 120

caaagcgccc agatcccaat gacgagctcg tcgacgatgt ccaccacgtt gcagtcgcgc 180

catgggcccc gaatgcgaac cccgtcgaca tggcctggtc cgttgtgccg gtactgcgat 240

ccggcgactt gtcccattcg accatccagt tctcgccctc ctcgtcggcg cttcagagct 300

tcgccgtgac cctgcaacag gtggcccctt cgaagctgtc cagccacagc cgcagcggca 360

ttgagatcct cgtcctcgac gttgctcccc ttccgctaga cacggtgttc gtcaacctgg 420

agagcgaatt gacaaaacgg ctggagagcg gcgagggcac cttttacaag gaccatccga 480

caagccccaa tgccaaggac gttgccaaca tgacgcccga ggagcgtcta gccacg 536

<210> 2116
<211> 463
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316009g05b1

<400> 2116

cctcttgccg cacctagcaa atggtaagcc aagaaagcca actgacggca ttgcacatga 60

gcagacaaag aaatgctgct gctgctattc aacgagatcg attctaacct caaagcgccc 120

agatcccaat gacgagctcg tcgacgatgt ccaccacgtt gcagtcgcgc catgggcccc 180

gaatgcgaac cccgtcgaca tggcctggtc cgttgtgccg gtactgcgat ccggcgactt 240

gtcccattcg accatccagt tctcgccctc ctcgtcggcg cttcagagct tcgccgtgac 300

cctgcaacag gtggcccctt cgaagctgtc cagccacagc cgcagcggca ttgagatcct 360

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gacaaaacgg ctggagagcg gcgagggcac cttttacaag gac 463

<210> 2117
<211> 404
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316009h04b1

<400> 2117

tcgggaattt gttaagacaa ttgatccaca gttatccaat tatgacgaag aaggtgcttg 60

gccctaccta attgatgaat ttgtggagta cctaaccgag aatggatgcg ttcagcgtaa 120

caagtgaacc attcgaggct gcattctgac ttggatatca tgatttggtg gtacaaacat 180

gattcatgtc gatcaataga atatttatct ttggatgtcg gcattgttcc agctcccctt 240

cacaaagcag atgatgtcgt ttggcggaat ctacttgcgc aggggtgatt tcactggcta 300

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caaaatagtt attggtttac tgctgaatgg gcgatgggtc tata 404

<210> 2118
<211> 515
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316009h05b1

<400> 2118

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attgcacatg agcagacaaa gaaatgctgc tgctgctatt caacgagatc gattctaacc 120

tcaaagcgcc cagatcccaa tgacgagctc gtcgacgatg tccaccacgt tgcagtcgcg 180

ccatgggccc cgaatgcgaa ccccgtcgac atggcctggt ccgttgtgcc ggtactgcga 240

tccggcgact tgtcccattc gaccatccag ttctcgccct cctcgtcggc gcttcagagc 300

ttcgccgtga ccctgcaaca ggtggccccc tcgaagctgt ccagccacag ccgcagcggc 360

attgagatcc tcgtcctcga cgttgctccc cttccgctag acacggtgtt cgtcaacctg 420

gagagcgaat tgacaaaacg gctggagagc ggcgagggca ccttttacaa ggaccatccg 480

acaagcccca atgccaagga cgttgccaac atgac 515

<210> 2119
<211> 454
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316010a08b1

<400> 2119

gatttcttta acaactaagg ttcctgtttt taacattttt atgccaaggg cttttgccca 60

tctccagtag gtaacatgaa ctctttcttt tctttacaaa tcccaaaacc tttactagac 120

ttttttctgct tctttagctt acttcaccta gagtcttcta ccttttctta tcattgaatc 180

aacccctttt tttttttctt ttaaacacat cccaacccaa agtataagcg cccacctagt 240

cctatctagt ccgaaaaatg cgaactagaa ctacatgaga cactatctct gtcgttacga 300

acctaacact ttctaccaag cttaatcgga ataagacctc acaaacactc acaagttata 360

tagggcttga aagaaagtct aggtttgggt ttgggttaac tgctctaata aggagagtca 420

gctacttgga ttaaaagagt gatcaaaatg aata 454

<210> 2120
<211> 388
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316010a10b1

<400> 2120

ggatttggat ttctttaaca actaaggttc ctgtttttaa catttttaag ccaagggctt 60

ttgcccatct ccaatagcta acatgaactc tttcttttct ttacaaatcc caaaaccttt 120

actagacttt ttctgcttct ttagcttact tcacctagag tcttctacct tttcttatca 180

ttgaatcaac ccctttttt ttttctttta aacacatccc aacccaaagt ataagcgccc 240

acctagtcct atctagtccg aaaaatgcga actagaacta catgagacac tatctctgtc 300

gttacgaacc taacactttc taccaagctt aatcggaata agacctcaca aacactcaca 360

agttatatag ggcttgaaag aaagtcta 388

<210> 2121
<211> 357
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316010a11b1

<400> 2121

ttatcatttt cccttccgat gcagaaagga tttctgtctc agaagcacga aagatgaatg 60

aggttgttca tactcaagca aagatcatag cagatcaaga tgtgatgtat aagtatttat 120

caaagaactt aatttttgtt gctacggtgt ctcctaaagc tgctggtgaa attggatccg 180

cggcacctga agaagcttca ctagtggcat atctcattga tgctgtcagc ggacgcatac 240

tacaccgtgt gacccatcat ggtgcacaag gccctgtaca tgccgttgtc agcgagactg 300

gggttgtcta tcattatttc aacctccgag cccacagatt tgaaattgca gtgattg 357

<210> 2122
<211> 450
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316010b01b1

<400> 2122

ggatttcttt acaactaagg ttcctgtttt taacattttt tgttcaaggg cttttgccca 60

tctccaatag ctaacaagaa ctctttcttt tctttacaaa tcccaaaacc tttactagac 120

tttttctgct tctttagctt acttcaccta gagtcttcta ccttttctta tcattgaatc 180

aacccctttt tttttttctt ttaaacacat cccaacccaa agtataagcg cccacctagt 240

cctatctagt ccgaaaaatg cgaactagaa ctacatgaga cactatctct gtcgttacga 300

acctaacact ttctaccaag cttaatcgga ataagacctc acaaacactc acaagttata 360

tagggcttga aagaaagtct aggtttgggt ttgggttaac tgctctaata aggagagtca 420

gctacttgga ttaaaagagt gatcaaaatg 450

<210> 2123
<211> 408
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316010b02b1

<400> 2123

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gctgctattc aacgagatcg attctaacct caaagcgccc agatcccaat gacgagctcg 120

tcgacgatgt ccaccacgtt gcagtcgcgc catgggcccc gaatgcgaac cccgtcgaca 180

tggcctggtc cgttgtgccg gtactgcgat ccggcgactt gtcccattcg accatccagt 240

tctcgccctc ctcgtcggcg cttcagagct tcgccgtgac cctgcaacag gtggcccctt 300

cgaagctgtc cagccacagc cgcagcggca ttgagatcct cgtcctcgac gttgctcccc 360

ttccgctaga cacggtgttc gtcaacctgg agagcgaatt gacaaaac 408

<210> 2124
<211> 452
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316010b03b1

<400> 2124

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tttttctgct tctttagctt acttcaccta gagtcttcta ccttttctta tcattgaatc 180

aacccctttt tttttttctt ttaaacacat cccaacccaa agtataagcg cccacctagt 240

cctatctagt ccgaaaaatg cgaactagaa ctacatgaga cactatctct gtcgttacga 300

acctaacact ttctaccaag cttaatcgga ataagacctc acaaacactc acaagttata 360

tagggcttga aagaaagtct aggtttgggt ttgggttaac tgctctaata aggagagtca 420

gctacttgga ttaaaaagag gtgatcaaaa tg 452

<210> 2125
<211> 449
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316010b07b1

<400> 2125

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gctgctgctg ctattcaacg agatcgattc taacctcaaa gcgcccagat cccaatgacg 120

agctcgtcga cgatgtccac cacgttgcag tcgcgccatg ggccccgaat gcgaaccccg 180

tcgacatggc ctggtccgtt gtgccggtac tgcgatccgg cgacttgtcc cattcgacca 240

tccagttctc gccctcctcg tcggcgcttc agagcttcgc cgtgaccctg caacaggtgg 300

ccccttcgaa gctgtccagc cacagccgca gcggcattga gatcctcgtc ctcgacgttg 360

ctccccttcc gctagacacg gtgttcgtca acctggagag cgaattgaca aaacggctgg 420

agagcggtga gggcaccttt tacaaggac 449

<210> 2126
<211> 514
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsf19316010b08b1

<400> 2126

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gcccatctcc aatagctaac aagaactctt tcttttcttt acaaatccca aaacctttac 120

tagacttttt ctgcttcttt agcttacttc acctagagtc ttctaccttt tcttatcatt 180

gaatcaaccc ctttttttttt ttcttttaaa cacatcccaa cccaaagtat aagcgcccac 240

ctagtcctat ctagtccgaa aaatgcgaac tagaactaca tgagacacta tctctgtcgt 300

tacgaaccta acactttcta ccaagcttaa tcggaataag acctcacaaa cactcacaag 360

ttatataggg cttgaaagaa agtctaggtt tgggttttgg gttaactgct ctaataagga 420

gagtcagcta cttggataaa aagagtgatc aaaatgaata agaaaatcca agtattttac 480

ggtatccatg agttcaaatt tgatgcagac atga 514

<210> 2127
<211> 394
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsf19316010b11b1

<400> 2127

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acgatatcga ttctaacctc aatgcgccca gatcccaatg acgagctcgt tgacgatttt 120

caccacgttg cagtcgcgcc atgggccccg aatgctaacc ccgtcgacat ggcctggtcc 180

gttgtgccgg tactgcgatc cggcgacttg tcccattcga ccatccagtt ctcgccctcc 240

tcgtcggcgc ttcagagctt cgccgtgacc ctgcaacagg tggccccttc gaagctgtcc 300

agccacagcc gcagcggcat tgagatcctc gttctcgacg ttgctccccc tccgctagac 360

acggtgttcg tcaacctgga gagcgaattg acaa 394

<210> 2128
<211> 341
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316010c01b1

<400> 2128

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tctgtcggat tcgttcccgt acagggagct ggagaacggc gtgctctggg aagtcgacgg 120

ccattgggtc gttcaaggag cagttgatgt ggacattgga gccaatccct ctgctgaggg 180

tggtggtgat gatgagggtg tcgatgacca ggccgagaag gtggttgaca ttgttgacac 240

cttccgtctt caggagcaac ctgcttttga caagaagcag tttatctctc acatgaagcg 300

ctacatcaag aacctctctg ccaagcttga aggggatgac c 341

<210> 2129
<211> 349
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316010c05b1

<400> 2129

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gagatcgatt ctaacctcaa agtgcccaga tcccaatgac gagctcgtcg acgatgtcca 120

ccacgttgca gtcgcgccat gggccccgaa tgcgaacccc gtcgacatgg cctggtccgt 180

tgtgccggta ctgcgatccg gcgacttgtc ccattcgacc atccagttct cgccctcctc 240

gtcggcgctt cagagcttcg ccgtgaccct gcaacaggtg gcccttcga agctgtccag 300

ccacagccgc agcggcattg agatcctcgt actcgacgtt gctccccttt 349

<210> 2130
<211> 423
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316010c11b1

<400> 2130

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aacgtgatcg attctaacct cattgcgccc agatcccaat gacgagctcg tcgacgatgg 120

ccaccacgtt gcagtcgcgc catgggcccc gaatgcgaac cccgtcgaca tggcctggtc 180

cgttgtgccg gtactgcgat ccggcgactt gtcccattcg accatccagt tctcgccctc 240

ctcgtcggcg cttcagagct tcgtcgtgac cctgcaacag gtggtccctt cgaagctgtc 300

cagccacagc cgcagtggca ttgagatcct cgttctcgac gttgctaccc ttccgctaga 360

cacggtgttc gtcaacctgg agagcgaatt gacaaaacgg ctggagagcg gtgagggcac 420

ctt 423

<210> 2131
<211> 428
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316010c12b1

<400> 2131

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aacgtgatcg attctaacct caaagcgccc agatcccaat gacgagctcg tcgacgatgt 120

ccaccacgtt gcagtcgcgc catgggcccc gaatgcgaac cccgtcgaca tggcctggtc 180

cgttgtgccg gtactgcgat ccggcgactt gtcccattcg accatccagt tctcgccctc 240

ctcgtcggcg cttcagagct tcgccgtgac cctgcaacag gtggcccctt cgaagctgtc 300

cagccacagc cgcagcggca ttgagatcct cgttctcgac gttgctcccc ttccgctaga 360

cacggtgttc gtcaacctgg agagcgaatt gacaaaacgg ttggagagcg gcgagggcac 420

cttttttac 428

<210> 2132
<211> 279
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsf19316010d01b1

<400> 2132

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gatctattct aacctcaaag cgcccagatc ccaatgacga gctcgtcgac tatgtccacc 120

acgttgcagt cgcgccatgg gccccgaatg cgaaccccgt tgacatggcc tggttcgttg 180

tgccggtact gcgatccggc gacttgtccc attcgaccat ccagttctcg ccctcctcgt 240

cggcgcttca gagcttcgcc gtgaccctgc aacaggtgg 279

<210> 2133
<211> 394
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsf19316010d03b1

<400> 2133

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ccacgttgca gtcgcgccat gggccccgaa tgcgaacccc gtcgacatgg cctggtccgt 180

tgtgccggta ctgcgatccg gcgacttgtc ccattcgacc atccagttct cgccctcctc 240

gtcggcgctt cagagcttcg ccgtgaccct gcaacaggtg gccccttcga agctgttcag 300

ccacagccgc agcggcattg agatccttgt cctcgacgtt gctcccccttc cgctagacac 360

ggtgttcgtc aacctggaga gcgaattgac aaaa 394

<210> 2134
<211> 416
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsf19316010d08b1

<400> 2134

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gcccatctcc aatagctaac aagaactctt tcttttcttt acaaatccca aaacctttac 120

tagacttttt ctgcttcttt agcttacttc acctagagtc ttctaccttt tcttatcatt 180

gaatcaaccc ctttttttt ttcttttaaa cacatcccaa cccaaagtat aagcgcccac 240

ctagtcctat ctagtccgaa aaatgcgaac tagaactaca tgagacacta tctctgtcgt 300

tacgaaccta acactttcta ccaagcttaa tcggaataag acctcacaaa cactcacaag 360

ttatataggg cttgaaagaa agtctaggtt tgggtatggg ttaactgctc taataa 416

<210> 2135
<211> 534
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316010d10b1

<400> 2135

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actagacttt ttctgcttct ttagcttact tcacctagag tcttctacct tttcttatca 180

ttgaatcaac ccctttttt ttttctttta aacacatccc aacccaaagt ataagcgccc 240

acctagtcct atctagtccg aaaaatgcga actagaacta catgagacac tatctctgtc 300

gttacgaacc taacactttc taccaagctt aatcggaata agacctcaca aacactcaca 360

agttatatag ggcttgaaag aaagtctagg tttgggtttg ggttaactgc tctaataagg 420

agagtcagct acttggatta aaagagtgat caaaatgaat aagaaaatcc aagtatttta 480

cggtatccat gagttcaaat ttgatgcaga catgataatt aaagattaga ttca 534

<210> 2136
<211> 345
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316010d12b1

<400> 2136

cctagcaaat ggtaagccaa gaaagccaac tgacggcatt gcatatgttc agacaaagaa 60

atgctgctgc tgctattcaa cgagatcgat tctaacctca aagcgcccag atcccaatga 120

cgagctcgtc gacgatgtcc accacgttgc agtcgcgcca tgggccccga atgcgaaccc 180

cgtcgacatg gcctggtccg ttgtgccggt actgcgatcc ggcgacttgt cccattcgac 240

catccagttc tcgccctcct cgtcggcgct tcagagcttc gccgtgaccc tgcaacaggt 300

ggcccccttcg aagctgtcca gccacagccg cagcggcatt gagat 345

<210> 2137
<211> 404
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316010e03b1

<400> 2137

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ccatctccaa tagctaacaa gaactctttc ttttctttac aaatcccaaa acctttacta 120

gacttttttct gcttctttag cttacttcac ctagagtctt ctacctttttc ttatcattga 180

atcaacccct ttttttttttt cttttaaaca catcccaacc caaagtataa gcgcccacct 240

agtcctatct agtccgaaaa atgcgaacta gaactacatg agacactatc tctgtcgtta 300

cgaacctaac actttctacc aagcttaatc ggaataagac ctcacaaaca ctcacaagtt 360

atatagggct tgaaagaaag tctaggtttg ggtttgggtt aact 404

<210> 2138
<211> 409
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316010e08b1

<400> 2138

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gggcttttgc ccatctccaa tagctaacaa gaactctttc ttttctttac aaatcccaaa 120

acctttacta gacttttttct gcttctttag cttacttcac ctagagtctt ctacctttttc 180

ttatcattga atcaacccct ttttttttttt cttttaaaca catcccaacc caaagtataa 240

gcgcccacct agtcctatct agtccgaaaa atgcgaacta gaactacatg agacactatc 300

tctgtcgtta cgaacctaac actttctacc aagcttaatc ggaataagac ctcacaaaca 360

ctcacaagtt atatagggct tgaaagaaag tctaggtttg ggtttgggt 409

<210> 2139
<211> 388
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316010e09b1

<400> 2139

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acgagatcga ttctaacctc aaagcgccca gatcccaatg acgagctcgt cgacgatgtt 120

caccacgttg cagtcgcgcc atgggccccg aatgcgaacc ccgtcgacat ggcctggtcc 180

gttgtgccgg tactgcgatc cggcgacttg tcccattcga ccatccagtt ctcgccctcc 240

tcgtcggcgc ttcagagctt tgccgtgacc ctgcaacagg tggccccttc gaagctgtcc 300

agccacagcc gcagcggcat tgagatcctc gtcctcgacg ttgctccccc tccgctagac 360

acggtgttcg tcaacctgga gagcgaat 388

<210> 2140
<211> 390
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316010e10b1

<400> 2140

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acgagatcga ttctaacctc atagcgccca gatcccaatg acgagctcgt cgacgatgtt 120

caccacgttg cagtcgcgcc atgggccccg aatgcgaacc ccgtcgacat ggcctggtcc 180

gttgtgccgg tactgcgatc cggcgacttg tcccattcga ccatccagtt ctcgccctcc 240

tcgtcggcgc ttcagagctt cgccgtgacc ctgcaacagg tggccccttc gaagctgtcc 300

agccacagcc gcagcggcat tgagatcctc gtcctcgacg ttgctccccc tccgctagac 360

acggtgttcg tcaacctgga gagcgaattg 390

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<211> 563
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316010e11b1

<400> 2141

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atctccaata gctaacatga actctttctt ttctttacaa atcccaaaac ctttactaga 120

ctttttctgc ttctttagct tacttcacct agagtcttct acctttttctt atcattgaat 180

caaccccttt ttttttttct tttaaacaca tcccaaccca aagtataagc gcccacctag 240

tcctatctag tccgaaaaat gcgaactaga actacatgag acactatctc tgtcgttacg 300

aacctaacac tttctaccaa gcttaatcgg aataagacct cacaaacact cacaagttat 360

atagggcttg aaagaaagtc taggtttggg tttgggttaa ctgctctaaa aggagagtca 420

gctacttgga ttaaaagagt gatcaaaatg aataagaaaa tccaagtatt ttacggtatt 480

catgagttca aatttgatgc agacatgata attaaagatt agattcaggt tcaaattgat 540

agggaatggt atcagatcat gac 563

<210> 2142
<211> 213
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316010f02b1

<400> 2142

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gccatgggcc ccgaatgcga accccgtcga catggcctgg tccgttgtgc cggtactgcg 180

atccggcgac ttgtcccatt cgaccatcca gtt 213

<210> 2143
<211> 432
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316010f04b1

<400> 2143

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cgagatcgat tctaacctca aagcgcccag atcccaatga cgagctcgtc gacgatgtcc 120

accacgttgc agtcgcgcca tgggccccga atgcgaaccc cgtcgacatg gcctggtccg 180

ttgtgccggt actgcgatcc ggcgacttgt cccattcgac catccagttc tcgccctcct 240

cgtcggcgct tcagagcttc gccgtgaccc tgcaacaggt ggccccttcg aagctgtcca 300

gccacagccg cagcggcatt gagatcctcg tcctcgacgt tgctcccctt ccgctagaca 360

cggtgttcgt caacctggag agcgaattga caaaacggct ggagagcggc gagggcacct 420

tttacaagga cc 432

<210> 2144
<211> 248
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316010f05b1

<400> 2144

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caatgacgag ctcgtcgacg atgaacacca cgttgcagac gcgccatggg ccccgaatgc 120

gaaccctgtc gacatggtct ggtccgttgt gccggtactg cgatccggcg acttgtccca 180

ttcgaccatt cagttctcgc cctactcgtc ggcgcttcag agcttcgccg tgaccctgca 240

acaggtgg 248

<210> 2145
<211> 378
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316010f06b1

<400> 2145

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gatcccggcg agcgagatgg ccaacccgag ggtgttcttc gacatgaccg tcggcggcgc 120

gccggcgggg cgcatcgtga tggagctgta caaggacgcg gtgccgcgga cggtggagaa 180

cttccgcgcg ctctgcaccg gcgagaaggg cgtcggcaag agcggcaagc cgctgcacta 240

caagggcagc gccttccacc gcgtgatccc cgacttcatg tgccagggcg gcgacttcac 300

caggggcaac ggcaccggag gcgagtacat ctacggcgag aagttcgccg acgagaagtt 360

cgtccacaag cacaccaa 378

<210> 2146
<211> 348
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316010f07b1

<400> 2146

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gttctcctac cggtaatcag ctgctccagt gccaccgcat atatactccg atgagtatcc 180

ttgatatctt ccctccacat tgcatctaat gacacactaa cacattgcat ctgatgacac 240

acttccaact ggaatatatc aattacatac cacggtgaaa tttgaaactt cccttgagag 300

atgctaaagt actatttatt tgaccggctt ggtgtacatt gaccttta 348

<210> 2147
<211> 276
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316010f08b1

<400> 2147

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acgccaccat gggtatctcg cgtgactcca tgcacaagcg ccgggccacc ggtgggaagc 120

agaaggcttg gaggaagaag cgaaagtatg agctcggccg ccagccagcc aacactaagc 180

tttcaagcaa caagacagtg aggagggtcc gtgttcgcgg aggtaacgtg aagtggaggg 240

ctctccgtct tgacactggt aacttctcat ggggta 276

<210> 2148
<211> 324
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsf19316010f10b1

<400> 2148

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aagatactta tggctctcag ttcttgacga tgggacagct gcacttatgg gagcaaacct 180

atcaaataaa taagttataa aattcgccat agatcatctt tgctcttccc gagacgatgt 240

tctgaatgtt gtattttcag ggcttggtca attcaatagc ctatggtttc aacagctcaa 300

tgcgtcgagc aatccatgag agac 324

<210> 2149
<211> 516
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsf19316010f11b1

<400> 2149

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tttgcccatc tccaatagct aacaagaact ctttcttttc tttacaaatc ccaaaacctt 120

tactagactt tttctgcttc tttagcttac ttcacctaga gtcttctacc ttttcttatc 180

attgaatcaa ccccttttt ttttttcttt aaacacatcc caacccaaag tataagcgcc 240

cacctagtcc tatctagtcc gaaaaatgcg aactagaact acatgagaca ctatctctgt 300

cgttacgaac ctaacacttt ctaccaagct taatcggaat aagacctcac aaacactcac 360

aagttatata gggcttgaaa gaaagtctag gtttgggttt gggttaactg ctctaatagg 420

agagtcagct acttggatta aaagagtgat caaaatgaat aagaaaatcc aagtatttta 480

cggtatccat gagttcaaat ttgatgcaga catgat 516

<210> 2150
<211> 395
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316010g03b1

<400> 2150

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tctccaatag ctaacaagaa ctctttcttt tctttacaaa tcccaaaacc tttactagac 120

tttttctgct tctttagctt acttcaccta gagtcttcta ccttttctta tcattgaatc 180

aacccctttt tttttttctt ttaaacacat cccaacccaa agtataagcg cccacctagt 240

cctatctagt ccgaaaaatg cgaactagaa ctacatgaga cactatctct gtcgttacga 300

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tagggcttga aagaaagtct aggtttgggt ttggg 395

<210> 2151
<211> 440
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316010g04b1

<400> 2151

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ctaacaagaa ctctttcttt tctttacaaa tcccaaaacc tttactagac tttttctgct 120

tctttagctt acttcaccta gagtcttcta ccttttctta tcattgaatc aacccctttt 180

tttttttctt ttaaacacat cccaacccaa agtataagcg cccacctagt cctatctagt 240

ccgaaaaatg cgaactagaa ctacatgaga cactatctct gtcgttacga acctaacact 300

ttctaccaag cttaatcgga ataagacctc acaaacactc acaagttata tagggcttga 360

aagaaagtct aggtttgggt ttgggttaac tgctctaaaa ggagagtcag ctacttggat 420

taaaagagtg atcaaatgaa 440

<210> 2152
<211> 391
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsfl9316010g06b1

<400> 2152

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ccaatagctg acaagaactc tttcttttct ttacaaatcc caaaaccttt actagacttt 120

ttctgcttct ttagcttact tcacctagag tcttctacct tttcttatca ttgaatcaac 180

ccctttttt ttttctttta aacacatccc aacccaaagt ataagcgccc acctagtcct 240

atctagtccg aaaaatgcga actagaacta catgagacac tatctctgtc gttacgaacc 300

taacactttc taccaagctt aatcggaata agacctcaca aacactcaca ngttatatag 360

ggcttgaaag aaagtctagg tatgggtttg g 391

<210> 2153
<211> 468
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316010g10b1

<400> 2153

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tttgcccatc tccaatagct aacaagaact ctttcttttc tttacaaatc ccaaaacctt 120

tactagactt tttctgcttc tttagcttac ttcacctaga gtcttctacc ttttcttatc 180

attgaatcaa ccccttttt ttttttctttt aaacacatcc caacccaaag tataagcgcc 240

cacctagtcc tatctagtcc gaaaaatgcg aactagaact acatgagaca ctatctctgt 300

cgttacgaac ctaacacttt ctaccaagct taatcggaat aagacctcac aaacactcac 360

aagttatata gggcttgaaa gaaagtctag gtttgggttt gggttaactg ctctaataag 420

gagagtcagc tacttggatt aaaagagtga tcaaaatgaa taagaaaa 468

<210> 2154
<211> 445
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316010g11b1

<400> 2154

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aatgctgctg ctgctattca acgagatcga ttctaacctc aaagcgccca gatcccaatg 120

acgagctcgt cgacgatgtc caccacgttg cagtcgcgcc atgggccccg aatgcgaacc 180

ccgtcgacat ggcctggtcc gttgtgccgg tactgcgatc cggcgacttg tcccattcga 240

ccatccagtt ctcgccctcc tcgtcggcgc ttcagagctt cgccgtgacc ctgcaacagg 300

tggccccttc gaagctgtcc agccacagcc gcagcggcat tgagatcctc gtactcgacg 360

ttgctccccc tccgctagac acggtgttcg tcaacctgga gagcgaattg acaaaacggc 420

tggagagcgg cgagggcacc tttta 445

<210> 2155
<211> 305
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsf19316010h01b1

<400> 2155

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gagatcgatt ctaacctcaa agcgcccaga tcccaatgac gagctcgtcg acgatgtcca 120

ccacgttgca gtcgcgccat gggccccgaa tgcgaacccc gtcgacatgg cctggtccgt 180

tgtgccggta ctgcgatccg gcgacttgtc ccattcgacc atccagttct cgccctcctc 240

gtcggcgctt cagagcttcg ccgtgaccct gcaacaggtg gcccttcga agctgtccag 300

ccaca 305

<210> 2156
<211> 243
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsf19316010h02b1

<400> 2156

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aagcgcccac ctagtcctat ctagttcgaa caatgcgaac tagaacgaca tgagacacta 180

tctttgtcgt tacgaaccta acactttcta ccaagcttaa tcggaataag accttacaaa 240

cac 243

<210> 2157
<211> 387
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsf19316010h05b1

<400> 2157

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ctccaatagc tgacaagaac tctttctttt ctttacaaat cccaaaacct ttactagact 120

ttttctgctt ctttagctta cttcacctag agtcttctac cttttcttat cattgaatca 180

acccctttt ttttttcttt taaacacatc ccaacccaaa gtataagcgc ccacctagtc 240

ctatctagtc cgaaaaatgc gaactagaac tacatgagac actatctctg tcgttacgaa 300

cctaacactt tctaccaagc ttaatcggaa taagacctca caaacactca caagttatat 360

agggcttgaa agaaagtcta ggtttgg 387

<210> 2158
<211> 381
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsf19316010h06b1

<400> 2158

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atctccaata gctaacaaga actctttctt ttctttacaa atcccaaaac ctttactaga 120

ctttttctgc ttctttagct tacttcacct agagtcttct acctttttctt atcattgaat 180

caaccccttt ttttttttct tttaaacaca tcccaaccca aagtataagc gcccacctag 240

tcctatctag tccgaaaaat gcgaactaga actacatgag acactatctc tgtcgttacg 300

aacctaacac tttctaccaa gcttaatcgg aataagacct cacaaacact cacaagttat 360

atagggcttg aaagaaagtc t 381

<210> 2159
<211> 386
<212> DNA

<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsfl9316010h10b1

<400> 2159

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gcccatctcc aatagctaac aagaactctt tcttttcttt acaaatccca aaacctttac 120

tagacttttt ctgcttctnt agcttacttc acctagagtc ttctaccttt tcttatcatt 180

gaatcaaccc ctttttttt ttcttttaaa cacatcccaa cccaaagtat aagcgcccac 240

ctagtcctat ctagtccgaa aaatgcgaac tagaactaca tgagacacta tctctgtcgt 300

tacgaaccta acactttcta ccaagcttaa tcggaataag acctcacaaa cactcacaag 360

ttatataggg cttgaaagaa agtcta 386

<210> 2160
<211> 367
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316010h12b1

<400> 2160

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gtcgacgatg tccaccacgt tgcagtcgcg ccatgggccc cgaatgcgaa ccccgtcgac 180

atggcctggt ccgttgtgcc ggtactgcga tccggcgact tgtcccattc gaccatccag 240

ttctcgccct cctcgtcggc gcttcagagc ttcgccgtga ccctgcaaca ggtggccccct 300

tcgaagctgt ccagccacag ccgcagcggc attgagatcc tcgtctccga cgttgctccc 360

cttccgc 367

<210> 2161
<211> 266
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316018a07b1

<400> 2161

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acattttaaa tttcaagggc ttttgcccat ctccaatagc taacaagaac tctttctttt 120

ctttacaaat cccaaaacct ttactagact ttttctgctt ctttagctta cttcacctag 180

agtcttctac cttttcttat cattgaatca acccctttt ttttttcttt taaacacatc 240

ccaacccaaa gtataagcgc ccacct 266

<210> 2162
<211> 405
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsf19316018a08b1

<400> 2162

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aacattttaa agccaagggc ttttgcccat ctccaatagc taacaagaac tctttctttt 120

ctttacaaat cccaaaacct ttactagact ttttctgctt ctttagctta cttcacctag 180

agtcttctac cttttcttat cattgaatca acccctttt ttttttcttt taaacacatc 240

ccaacccaaa gtataagcgc ccacctagtc ctatctagtc cgaaaaatgc gaactagaac 300

tacatgagac actatctctg tcgttacgaa cctaacactt tctaccaagc ttaatcggaa 360

taagacctca caaacactca caagttatat agggcttgaa agaaa 405

<210> 2163
<211> 474
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsf19316018a10b1

<400> 2163

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tgcacatgag ctgacaaaga aatgctgctg ctgctattca acgagatcga ttctaacctc 120

aaggcgccca gatcccaatg acgagctcgt cgacgatgtc caccacgttg cagtcgcgcc 180

atgggccccg aatgcgaacc ccgtcgacat ggcctggtcc gttgtgccgg tactgcgatc 240

cggcgacttg tcccattcga ccatccagtt ctcgccctcc tcgtcggcgc ttcagagctt 300

cgccgtgacc ctgcaacagg tggccccttc gaagctgtcc agccacagcc gcagcggcat 360

tgagatcctc gtcctcgacg ttgctcccct tccgctagac acggtgttcg tcaacctgga 420

gagcgaattg acaaaacggc tggagagcgg cgagggcacc ttttacaagg acca 474

<210> 2164
<211> 369
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316018a11b1

<400> 2164

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ctcttgctct cgcagaagga gaagtggatg gacaaggtgt atatagagaa ttcatactac 180

ttgcacggtt tctgggctgg gctggtggac aagtacgagg agatgatgga gaaccaccat 240

ccagggcttg gggatgagcg gtggccattt gtgacacact ttgttgggtg caagccatgc 300

ggaagctatg gtgattaccc agtagaccgg tgtctcaaga gtatggagcg agcatttaat 360

tttgccgat 369

<210> 2165
<211> 503
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316018a12b1

<400> 2165

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aacattttaa agccaagggc ttttgcccat ctccaatagc taacaagaac tctttctttt 120

ctttacaaat cccaaaacct ttactagact ttttctgctt ctttagctta cttcacctag 180

agtcttctac cttttcttat cattgaatca acccctttt ttttttcttt taaacacatc 240

ccaacccaaa gtataagcgc ccacctagtc ctatctagtc cgaaaaatgc gaactagaac 300

tacatgagac actatctctg tcgttacgaa cctaacactt tctaccaagc ttaatcggaa 360

taagacctca caaacactca caagttatat agggcttgaa agaaagtcta ggtttgggtt 420

tgggttaact gctctaataa ggagagtcag ctacttggat aaaaagagtg atcaaaatga 480

ataagaaaat ccaagtattt tac 503

<210> 2166
<211> 301
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316018b07b1

<400> 2166

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tagactattt ctgcttcttt agcttacttc tcccactgcc ttctaccttt tcttatcatt 120

gaaacaaccc ctttttttt ttctttttaa cacatcccaa cccaaagtat aagcgcccac 180

ctagtcctat ctagtccgaa aaatgcgaac taaaactaca tgagacacta tctctgtcgt 240

tacgaaccta acactttcta ccaagcttaa tcggaataag acctcacaaa cactcacaag 300

t 301

<210> 2167
<211> 472
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316018b08b1

<400> 2167

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tgcacatgag ttgacaaaga aatgctgctg ctgctattca acgagatcga ttctaacctc 120

aaagcgccca gatcccaatg acgagctcgt cgacgatgtc caccacgttg cagtcgcgcc 180

atgggccccg aatgcgaacc ccgtcgacat ggcctggtcc gttgtgccgg tactgcgatc 240

cggcgacttg tcccattcga ccatccagtt ctcgccctcc tcgtcggcgc ttcagagctt 300

cgccgtgacc ctgcaacagg tggccccttc gaagctgtcc agccacagcc gcagcggcat 360

tgagatcctc gtcctcgacg ttgctcccct tccgctagac acggtgttcg tcaacctgga 420

gagcgaattg acaaaacggc tggagagcgg cgagggcacc ttttacaagg ac 472

<210> 2168
<211> 246
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316018c07b1

<400> 2168

ctccgacctc ttcccgcacc tagcaaatgg taagccaaga aagccaactg acggcattgc 60

acatgagctg acaaagaaat gctgctgctg ctattcaacg agatcgattc taacctcaaa 120

gcgcccagat cccaatgacg agctcgtcga cgatgtccac cacgttgcag tcgcgccatg 180

ggcccctaat gcgaaccccg tcgacatggc ctggtccgtt gtgccggtac tgcgatccgg 240

cgactt 246

<210> 2169
<211> 526
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316018c08b1

<400> 2169

tcaacacttt gttacatcta gcggatttgg atttctttaa caactaaggt tcctgttttt 60

aacattttaa agccaagggc ttttgcccat ctccaatagc taacaagaac tctttctttt 120

ctttacaaat cccaaaacct ttactagact ttttctgctt ctttagctta cttcacctag 180

agtcttctac cttttcttat cattgaatca acccctttt ttttttcttt taaacacatc 240

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tacatgagac actatctctg tcgttacgaa cctaacactt tctaccaagc ttaatcggaa 360

taagacctca caaacactca caagttatat agggcttgaa agaaagtcta ggtttgggtt 420

tgggttaact gctctaataa ggagagtcag ctacttggat taaaaagagt gatcaaaatg 480

aataagaaaa tccaagtatt ttacggtatc catgagttca aatttg 526

<210> 2170
<211> 468
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316018d12b1

<400> 2170

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acatgagttt caaagaaatg ctgctgctgc tattcaacga gatcgattct aacctcaaag 120

cgcccagatc ccaatgacga gctcgtcgac gatgtccacc acgttgcagt cgcgccatgg 180

gccccgaatg cgaaccccgt cgacatggcc tggtccgttg tgccggtact gcgatccggc 240

gacttgtccc attcgaccat ccagttctcg ccctcctcgt cggcgcttca gagcttcgcc 300

gtgaccctgc aacaggtggc cccttcgaag ctgtccagcc acagccgcag cggcattgag 360

atcctcgtcc tcgacgttgc tccccttccg ctagacacgg tgttcgtcaa cctggagagc 420

gaattgacaa aacggctgga gagcggcgag ggcacctttt acaaggac 468

<210> 2171
<211> 405
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316018e07b1

<400> 2171

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ttttaaagcc aagggctttt gcccatctcc aatagctaac aagaactctt tcttttcttt 120

acaaatccca aaacctttac tagacttttt ctgcttcttt agcttacttc acctagagtc 180

ttctaccttt tcttatcatt gaatcaaccc ctttttttt ttcttttaaa cacatcccaa 240

cccaaagtat aagcgcccac ctagtcctat ctagtccgaa aaatgcgaac tagaactaca 300

tgagacacta tctctgtcgt tacgaaccta acactttcta ccaagcttaa tcggaataag 360

acctcacaaa cactcacaag ttatataggg cttgaaagaa agtct 405

<210> 2172
<211> 295
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316018e08b1

<400> 2172

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acatgagcag tcaaagaaat gctgctgctg ctattcaacg agatcgattc taacctcaaa 120

gcgcccagat cccaatgacg agctcgtcga cgatgtccac cacgttgcag tcgcgccatg 180

ggccccgaat gcgaaccccg tcgacatggc ctggtccgtt gtgccggtac tgcgatccgg 240

cgacttgtcc cattcgacca tccagttctc gccctcctcg tcggcgcttc agagc 295

<210> 2173
<211> 383
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316018e09b1

<400> 2173

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actagacttt ttctgcttct ttagcttact tcacctagag tcttctacct tttcttatca 180

ttgaatcaac ccctttttt ttttctttta aacacatccc aacccaatgt ataagcgccc 240

acctagtcct atctagtccg aaaaatgcga actagaacta catgagacac tatctctgtc 300

gttacgaacc taacactttc taccaagctt aatcggaata tgacctcaca aacactcaca 360

agttatatag ggcttgaaag aaa 383

<210> 2174
<211> 441
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316018e11b1

<400> 2174

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ttttaaagcc aagggctttt gcccatctcc aatagctaac aagaactctt tcttttcttt 120

acaaatccca aaacctttac tagacttttt ctgcttcttt agcttacttc acctagagtc 180

ttctaccttt tcttatcatt gaatcaaccc ctttttttt ttcttttaaa cacatcccaa 240

cccaaagtat aagcgcccac ctagtcctat ctagtccgaa aaatgcgaac tagaactaca 300

tgagacacta tctctgtcgt tacgaaccta acactttcta ccaagcttaa tcggaataag 360

acctcacaaa cactcacaag ttatataggg cttgaaagaa agtctaggtt tgggtttggg 420

ttaactgctc taataaggag a 441

<210> 2175
<211> 471
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316018e12b1

<400> 2175

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tgcacatgag ctgacaaaga aatgctgctg ctgctattca acgagatcga ttctaacctc 120

aaagcgccca gatcccaatg acgagctcgt cgacgatgtc caccacgttg cagtcgcgcc 180

atgggccccg aatgcgaacc ccgtcgacat ggcctggtcc gttgtgccgg tactgcgatc 240

cggcgacttg tcccattcga ccatccagtt ctcgccctcc tcgtcggcgc ttcagagctt 300

cgccgtgacc ctgcaacagg tggccccttc gaagctgtcc agccacagcc gcagcggcat 360

tgagatcctc gtcctcgacg ttgctccccc tccgctaaca cggtgttcgt caacctggag 420

agcgaattga caaaacggct ggagagcggc gagggcacct tttacaagga c 471

<210> 2176
<211> 472
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316018f11b1

<400> 2176

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tgcacatgag cagacaaaga aatgctgctg ctgctattca acgagatcga ttctaacctc 120

aaagcgccca gatcccaatg acgagctcgt cgacgatgtc caccacgttg cagtcgcgcc 180

atgggccccg aatgcgaacc ccgtcgacat ggcctggtcc gttgtgccgg tactgcgatc 240

cggcgacttg tcccattcga ccatccagtt ctcgccctcc tcgtcggcgc ttcagagctt 300

cgccgtgacc ctgcaacagg tggccccttc gaagctgtcc agccacagcc gcagcggcat 360

tgagatcctc gtcctcgacg ttgctccccc tccgctagac acggtgttcg tcaacctgga 420

gagcgaattg acaaaacggc tggagagcgg cgagggcacc ttttacaagg ac 472

<210> 2177
<211> 473
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316018f12b1

<400> 2177

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tgcacatgag ctgacaaaga aatgctgctg ctgctattca acgagatcga ttctaacctc 120

aaagcgccca gatcccaatg acgagctcgt cgacgatgtc caccacgttg cagtcgcgcc 180

atgggccccg aatgcgaacc ccgtcgacat ggcctggtcc gttgtgccgg tactgcgatc 240

cggcgacttg tcccattcga ccatccagtt ctcgccctcc tcgtcggcgc ttcagagctt 300

cgccgtgacc ctgcaacagg tggccccttc gaagctgtcc agccacagcc gcagcggcat 360

tgagatcctc gtcctcgacg ttgctcccct tccgctagac acgggtgttc gtcaacctgg 420

agagcgaatt gacaaaacgg ctggagagcg gcgagggcac cttttacaag gac 473

<210> 2178
<211> 102
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316018g07b1

<400> 2178

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tgcacatgtt cttacaaaga aatgctgctg ctggtattca ac 102

<210> 2179
<211> 501
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316018g09b1

<400> 2179

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ttttaagcc aagggctttt gcccatctcc aatagctaac aagaactctt tcttttcttt 120

acaaatccca aaacctttac tagacttttt ctgcttcttt agcttacttc acctagagtc 180

ttctaccttt tcttatcatt gaatcaaccc ctttttttt ttcttttaaa cacatcccaa 240

cccaaagtat aagcgcccac ctagtcctat ctagtccgaa aaatgcgaac tagaactaca 300

tgagacacta tctctgtcgt tacgaaccta acactttcta ccaagcttaa tcggaataag 360

acctcacaaa cactcacaag ttatataggg cttgaaagaa agtctaggtt tgggtttggg 420

ttaactgctc taataaggag agtcagctac ttggattaaa aagagtgatc aaaatgaata 480

agaaaatcca agtattttac g 501

<210> 2180
<211> 246
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsf19316018h08b1

<400> 2180

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aacattttaa agccaagggc ttttgcccat ctccaatagc taacaagaac tctttctttt 120

ctttacaaat cccaaaacct ttactagact ttttctgctt ctttagctta cttcacctag 180

agtcttctac cttttcttat cattgaatca acccctttt ttttttcttt taaacacatc 240

ccaacc 246

<210> 2181
<211> 169
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsf19316018h10b1

<400> 2181

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tgcacatgtg ctgacaaaga aatgctgctg ctgctattca acgagatcga ttctaacctc 120

aaagcgccca gatcccaatg acgagctcgt cgacgatgtc caccacgtt 169

<210> 2182
<211> 433
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316018h12b1

<400> 2182

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agatggttcc ttgacaccgc tggactgaag aagtcgagcg cctacctgat caatggtatt 120

ttgatatttg ttgtatggct ggcggcaagg atatttttgt tcctgtatgt attttaccac 180

atctatttgc actacagcca gataatgaag atgcacgcat ttggttatta cctgacactg 240

accgtgccgt cggtgctctt tgtcatgaac gcaatgtggt ttacgaagat tttgaaaggg 300

gtaatgaaaa cactgtcgaa atggtcgtaa atcggattag gctctgcgga ccagaagtac 360

aacgtaactg ggtgttcctg ccgtgctgca ctgcgtgtga cctgaatgtg taaagttatg 420

aatatatgaa tta 433

<210> 2183
<211> 442
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316019a08b1

<400> 2183

acctagcaaa tggcaatgcc aagaaagcca ctgacggata tacatgagct gttaagaaac 60

gctgctgctg ctatacatcg agatcgattc taacctcaaa gcgcccagat cccaatgacg 120

agctcgtcga cgatgtccac cacgttgcag tcgcgccatg ggccccgaat gcgaaccccg 180

tcgacatggc ctggtccgtt gtgccggtac tgcgatccgg cgacttgtcc cattcgacca 240

tccagttctc gccctcctcg gcggcgcttc agagcttcgc cgagaccctg caacaggtgg 300

ccccttcgaa gctgtccagc cacagccgca gcggcattga gatcctcgtc ctcgacgttg 360

ctccccttcc gctagacacg gtgttcgtca acctggagag cgaattgaca aaacggctgg 420

agagcggcga gggcaccttt ta 442

<210> 2184
<211> 302

<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316019a11b1

<400> 2184

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ttacttcacc tagagtcttc taccttttct tatcattgag tcaacccctt ttttttttc 120

ttttaaacac atcccaaccc aaagtgtaag cgcccaccta gtcctatcta gtccgaaaaa 180

tgcgaactag aactacatga gacactatct ctgtcgttac gaacctaaca ctttctacca 240

agcttaatcg gaataagacc tcacaaacac tcacaagtta tatagggctt gaaagaaagt 300

ct 302

<210> 2185
<211> 543
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316019b09b1

<400> 2185

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tttaaatttc agggcttttg cccatctcca atagctaaca agaactcttt cttttcttta 120

caaatcccaa aacctttact agacttttc tgcttcttta gcttacttca cctagagtct 180

tctacctttt cttatcattg aatcaacccc ttttttttt tcttttaaac acatcccaac 240

ccaaagtata agcgcccacc tagtcctatc tagtccgaaa aatgcgaact agaactacat 300

gagacactat ctctgtcgtt acgaacctaa cactttctac caagcttaat cggaataaga 360

cctcacaaac actcacaagt tatatagggc ttgaaagaaa gtctaggttt gggtttgggt 420

taactgctct aataaggaga gtcagctact tggattaaaa agagtgatca aaatgaataa 480

gaaaatccaa gtattttacg gtatccatga gttcaaattt gatgcagaca tgataattaa 540

aga 543

<210> 2186
<211> 491
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316019b10b1

<400> 2186

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ttcagggctt tttcccatct ccaatagcta acaagaactc tttcttttct ttacaaatcc 120

caaaaccttt actagacttt ttctgcttct ttagcttact tcacctagag tcttctacct 180

tttcttatca ttgaatcaac ccctttttt ttttctttta aacacatccc aacccaaagt 240

ataagcgccc acctagtcct atctagtccg aaaaatgcga actagaacta catgagacac 300

tatctctgtc gttacgaacc taacactttc taccaagctt aatcggaata agacctcaca 360

aacactcaca agttatatag ggcttgaaag aaagtctagg tttgggtttg ggttaactgc 420

tctaataagg agagtcagct acttggatta aaaagagtga tcaaaatgaa taagaaaatc 480

caagtatttt a 491

<210> 2187
<211> 346
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316019b11b1

<400> 2187

cagtgcccca gcttttgccg ccaccgccgc cgtccctgcc cctctccgcc tgctgccacc 60

gtcacagaca ccgccgtcta cttcagctgc tgccgacccc gagacggaga ggctcaagga 120

ggcagccgct cgacgcaagg cggagggcgc gacggcgtcg gcggtgtacg cccgccagcg 180

cgacgagtac tggaccccgc agcggaacct tccgtacacg gccatctttc cgtagccgga 240

ggcccagagc gccgcgccgc cgcggagacg ggtgcgaaga gcgtacggtg gcgagaggcc 300

gaccgagagg agggcgagga tcgacctgac ggtgccgatg ctgatg 346

<210> 2188
<211> 499
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316019b12b1

<400> 2188

atctagcgca tttggatttc tttaacaact aaggttcctg tttttaacat tgtaaatttc 60

agggctattt cccatctcca atagctaaca agaactcttt cttttcttta caaatcccaa 120

aacctttact agacttttttc tgcttcttta gcttacttca cctagagtct tctacctttt 180

cttatcattg aatcaacccc ttttttttttt tcttttaaac acatcccaac ccaaagtata 240

agcgcccacc tagtcctatc tagtccgaaa aatgcgaact agaactacat gagacactat 300

ctctgtcgtt acgaacctaa cactttctac caagcttaat cggaataaga cctcacaaac 360

actcacaagt tatatagggc ttgaaagaaa gtctaggttt gggtttgggt taactgctct 420

aataaggaga gtcagctact tggattaaaa agagtgatca aaatgaataa gaaaatccaa 480

gtattttacg gtatccatg 499

<210> 2189
<211> 488
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsf19316019c09b1

<400> 2189

atctagcgga tttggatttc tttaacaact aaggttcctg tttttaacat tttaaattta 60

gggcnatagt ccatctccaa tagctaacaa gaactctttc ttttctttac aaatcccaaa 120

acctttacta gacttttttct gcttctttag cttacttcac ctagagtctt ctacctttttc 180

ttatcattga atcaacccct ttttttttttt cttttaaaca catcccaacc caaagtataa 240

gcgcccacct agtcctatct agtccgaaaa atgcgaacta gaactacatg agacactatc 300

tctgtcgtta cgaacctaac actttctacc aagcttaatc ggaataagac ctcacaaaca 360

ctcacaagtt atatagggct tgaaagaaag tctaggtttg ggtttgggtt aactgctcta 420

ataaggagag tcagctactt ggattaaaaa gagtgatcaa aatgaataag aaaatccaag 480

tattttac 488

<210> 2190
<211> 466
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316019c11b1

<400> 2190

catctagcgg atttggattt ctttaacaac taaggttcct gtttttaaca ttttaaattc 60

aagggctttt gcccatctcc aatagctaac aagaactctt tcttttcttt acaaatccca 120

aaacctttac tagacttttt ctgcttcttt agcttacttc acctagagtc ttctaccttt 180

tcttatcatt gaatcaaccc ctttttttt ttcttttaaa cacatcccaa cccaaagtat 240

aagcgcccac ctagtcctat ctagtccgaa aaatgcgaac tagaactaca tgagacacta 300

tctctgtcgt tacgaaccta acactttcta ccaagcttaa tcggaataag acctcacaaa 360

cactcacaag ttatataggg cttgaaagaa agtctaggtt tgggtttggg ttaactgctc 420

taataaggag agtcagctac ttggattaaa aagagtgatc aaaatg 466

<210> 2191
<211> 515
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316019d07b1

<400> 2191

ttcccgcacc tagcaaatgg tatgccaaga aagccaactg acggcattgc acatgagctt 60

acaagatatg ttgctgctgc tattcaacga gatcgattct aaccttaaag cgcccagatc 120

ccaatgacga gctcgtcgac gatgtccacc acgttgcagt cgcgccatgg gccccgaatg 180

cgaaccccgt cgacatggcc tggtccgttg tgccggtact gcgatccggc gacttgtccc 240

attcgaccat ccagttctcg ccctcctcgt cggcgcttca gagcttcgcc gtgaccctgc 300

aacaggtggc cccttcgaag ctgtccagcc acagccgcag cggcattgag atcctcgtcc 360

tcgacgttgc tccccttccg ctagacacgg tgttcgtcaa cctggagagc gaattgacaa 420

aactgctgga gagcggcgag ggcacctttt acaaggacca tccgacatgc cccaatgcca 480

aggacgttgc caacatgacg cccgaggagc gtcta 515

<210> 2192
<211> 132
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316019d10b1

<400> 2192

actcattcta ataggagcat gggtattcgg cactattgac cgtatccatg attgcatcga 60

gccagggcat acgatcttct ggctctcagt tcttgacggt gggacagctg cactaatggt 120

agccaaccta tc 132

<210> 2193
<211> 491
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316019d12b1

<400> 2193

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cccatctcca atagctaaca agaactcttt cttttcttta caaatcccaa aacctttact 120

agacttttttc tgcttcttta gcttacttca cctagagtct tctacctttt cttatcattg 180

aatcaacccc ttttttttttt tcttttaaac acatcccaac ccaaagtata agcgcccacc 240

tagtcctatc tagtccgaaa aatgcgaact agaactacat gagacactat ctctgtcgtt 300

acgaacctaa cactttctac caagcttaat cggaataaga cctcacaaac actcacaagt 360

tatatagggc ttgaaagaaa gtctaggttt gggtttgggt taactgctct aataaggaga 420

gtcagctact tggattaaaa agagtgatca aaatgaataa gaaaatccaa gtattttacg 480

gtatccatga g 491

<210> 2194
<211> 254
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316019e07b1

<400> 2194

aaccttaaag cgcccagatc ccaatgacga gctcgtcgac gatgtccacc acgttgcagt 60

cgcgccatgg gccccgaatg cgaaccccgt cgacatggcc tggtccgttg tgccggtact 120

gcgatccggc gacttgtccc attcgaccat ccagttctcg ccctcctcgt aggcgcttca 180

gagcttcgcc gtgaccctgc aacaggtggc ccctaagaag ctgttcagcc acagccgtag 240

cggcattgag atcc 254

<210> 2195
<211> 390
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316019f08b1

<400> 2195

ttcccgcacc tagcaaatgg taatgccaag aaagccaact gacggcattt ttcatgagca 60

tataaagaaa tgctgctgct gctattcaac gagatcgatt ctaacctcaa agcgcccaga 120

tcccaatgac gagctcgttg acgatgtcca ccacgttgca gtcgcgccat gggccccgaa 180

tgcgaacccc gtcgacatgg cctggtccgt tgtgccggta ctgcgatccg gcgacttgtc 240

ccattcgacc atccagttct cgccctcctc gtcggcgctt cagagctttg ccgtgaccct 300

gcaacaggtg gccccttcga agctgtccag ccacagccgc agcggcattg agatcctcgt 360

ccttgacgtt gctcccctta cgctagacac 390

<210> 2196
<211> 277
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316019f12b1

<400> 2196

aaatcccaaa acctttacta gactttgtct gcttctttag cttacttcac ctagagtctt 60

ctacctgttc ttatgatgga gtcaacccct ttttttttt cttgtaaaca catcccaacc 120

caaagtgtaa gcgcccacct agtcctatct agtccgaaaa atgcgaacta gaactacatg 180

agacactatc tctgtcgtta cgaacctaac actttctacc aggcttaatc ggaataagac 240

ctcacaaaca ctcacaagtt atatagggct tgaaaga 277

<210> 2197
<211> 404
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316019g07b1

<400> 2197

cccatctgca atagctaaca agaactcttt cttttcttta caaatcccaa aacctttact 60

agactttgtc tgcttcttta gcttacttca cctagagtct tgtacctttt cttatcattg 120

aatcaacccc ttttttttt tcttttaaac acatcccaac ccaaagtata agcgcccacc 180

tagtcctatc tagtccgaaa aatgcgaact agaactacat gagacactat ctctgtcgtt 240

acgaacctaa cactttctac caagcttaat cggaataaga cctcacaaac actcacaagt 300

tatatagggc ttgaaagaaa gactaggttt gggtttgggt taactgctct aataaggaga 360

gtcagctact tggattaaaa agagtgatca aaatgaataa gaaa 404

<210> 2198
<211> 462
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316020a03b1

<400> 2198

cactttgtta catctagcgg atttggattt ctttaacaac taaggctcct gggtttatta 60

tttgaatttt cagggctttt gcccatctgc aatagctaac aagaactctt tcttttcttt 120

acaaatccca aaacctttac tagacttttt ctgcttcttt agcttacttc acctagagtc 180

ttctaccttt tcttatcatt gaatcaaccc ctttttttt ttcttttaaa cacatcccaa 240

cccaaagtat aagcgcccac ctagtcctat ctagtccgaa aaatgcgaac tagaactaca 300

tgagacacta tctctgtcgt tacgaaccta acactttcta ccaagcttaa tcggaataag 360

acctcacaaa cactcacaag ttatataggg cttgaaagaa agtctaggtt tgggtttggg 420

ttaactgctc taataaggag agtcagctac ttggattaaa aa 462

<210> 2199
<211> 385
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316020a04b1

<400> 2199

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ttttaaattt tagggctttt gcccatctcc aatagctaac aagaactctt tcttttcttt 120

acaaatccca aaacctttac tagacttttt ctgcttcttt agcttacttc acctagagtc 180

ttctaccttt tcttatcatt gaatcaaccc ctttttttt ttcttttaaa cacatcccaa 240

cccaaagtat aagcgcccac ctagtcctat ctagtccgaa aaatgcgaac tagaactaca 300

tgagacacta tctctgtcgt tacgaaccta acactttcta ccaagcttaa tcggaataag 360

acctcacaaa cactcacaag ttata 385

<210> 2200
<211> 455
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsf19316020c02b1

<400> 2200

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gactttgtct gcttctttag cttacttcac ctagagtctt gtacctgttc ttatcattga 180

gtcaacccct tttttgtttt cttttaagca catcccaacc cagagtatag agcgcccacc 240

tagtcctatc tagtccgaaa aatgcgaact agaactacat gagacactat ctctgtcgtt 300

acgaacctaa cactttctac caagcttaat cggaataaga cctcacaaac actcacaagt 360

tatatagggc ttgaaagaaa gtctaggttt gggtttgggt taactgctct aataaggaga 420

gtcagctact tggattaaaa agagtgatca aaatg 455

<210> 2201
<211> 514
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsf19316020c03b1

<400> 2201

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aagggctatg ttccatctcc aatagctaac aagaactctt tcttttcttt acaaatccca 120

aaacctttac tagacttttt ctgcttcttt agcttacttc acctagagtc ttctaccttt 180

tcttatcatt gaatcaaccc ctttttttt ttcttttaaa cacatcccaa cccaaagtat 240

aagcgcccac ctagtcctat ctagtccgaa aaatgcgaac tagaactaca tgagacacta 300

tctctgtcgt tacgaaccta acactttcta ccaagcttaa tcggaataag acctcacaaa 360

cactcacaag ttatataggg cttgaaagaa agtctaggtt tgggtttggg ttaactgctc 420

taataaggag agtcagctac ttggattaaa aagagtgatc aaaatgaata agaaaatcca 480

agtattttac ggtatccatg agttcaaatt tgat 514

<210> 2202
<211> 361
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsf19316020d01b1

<400> 2202

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agtcgcgcca tgggccccga atgcgaaccc cgtcgacatg gcctggtccg ttgtgccggt 120

actgcgatcc ggcgacttgt cccattcgac catccagttc tcgccctcct cgtcggcgct 180

atagagcttt gccgtgaccc tgcaacaggt ggccccttcg aagctgtcca gccacagccg 240

cagcggcatt gagatcctcg tcctcgacgt tgctcccctt ccgctagaca cggtgttcgt 300

caacctggag agcgaattga caaaactgct ggagagcggc gagggcacct tttacaagga 360

c 361

<210> 2203
<211> 487
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsf19316020e01b1

<400> 2203

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acctttacta gacttttttct gcttctttag cttacttcac ctagagtctt ctacctttc 180

ttatcattga atcaacccct ttttttttt cttttaaaca catcccaacc caaagtataa 240

gcgcccacct agtcctatct agtccgaaaa atgcgaacta gaactacatg agacactatc 300

tctgtcgtta cgaacctaac actttctacc aagcttaatc ggaataagac ctcacaaaca 360

ctcacaagtt atatagggct tgaaagaaag tctaggtttg ggtttgggtt aactgctcta 420

ataaggagag tcagctactt ggattaaaaa gagtgatcaa aatgaataag aaaatccaag 480

tatttta 487

<210> 2204
<211> 360
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsf19316020f02b1

<400> 2204

cccatctcca atagctaaca agaactcttt cttttcttta caaattccaa aacctttact 60

agacttttc tgcttcttta gcttacttca cctagagtct tctacctttt cttatcattg 120

aatcaacccc ttttttttt tcttttaaac acatcccaac ccaaagtata agcgcccacc 180

tagtcctatc tagtccgaaa aatgcgaact agaactacat gagacactat ctctgtcgtt 240

acgaacctaa cactttctac caggcttaat cggaataaga cctcacaaac actcacaagt 300

tatatagggc ttgaaagaaa gtctaggttt gggtttgggt taactgctct aataaggaga 360

<210> 2205
<211> 439
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsf19316020g01b1

<400> 2205

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tgggctttag cccatctcca atagctaaca agaactcttt cttttcttta caaatcccaa 120

aacctttact agacttttc tgcttcttta gcttacttca cctagagtct tctacctttt 180

cttatcattg aatcaacccc ttttttttt tcttttaaac acatcccaac ccaaagtata 240

agcgcccacc tagtcctatc tagtccgaaa aatgcgaact agaactacat gagacactat 300

ctctgtcgtt acgaacctaa cactttctac caagcttaat cggaataaga cctcacaaac 360

actcacaagt tatatagggc ttgaaagaaa gtctaggttt gggtttgggt taactgctct 420

aataaggaga gtcagctac 439

<210> 2206
<211> 326
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsf19316021a02b1

<400> 2206

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ggtactgcga tccggcgact tgtcccattc gaccatccag ttctcgccct cctcgtcggc 180

gcttcagagc ttcgccgtga ccctgcaaca ggtggccct tcgaagctgt gcagccacag 240

ccgcagcggc attgagatcc tcgtactcga cgttgctccc cttgcgctag acacggtgtt 300

cgtcaacctg gagagcgaat tgacaa 326

<210> 2207
<211> 379
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsf19316021a05b1

<400> 2207

ggatttggat ttctttaaca actaaggttc ccgccccttt cttgccttcn cagggcgnan 60

gcccatctcc aatagctgac aagaactctg tcttttctct acaaatccca aaacctttac 120

tagacttttt ctgcttcttt agcttacttc acctagagtc ttgtaccttt tcttatcatt 180

gaatcaaccc ctttttttt ttcttttaaa cacatcccaa cccaatgtat aagcgcccac 240

ctagtcctat ctagtccgaa aaatgcgaac tagaactaca tgagacacta tctctgtcgt 300

tacgaaccta acactttcta ccaagcttaa tcggaataag acctcacaaa cactcacaag 360

ttatataggg cttgaaaga 379

<210> 2208
<211> 464
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316021a06b1

<400> 2208

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ttgaatgctc aagggcgatt gcccatctcc aatagctaac aagaactctt tcttttcttt 120

acaaatccca aaacctttac tagacttttt ctgcttcttt agcttacttc acctagagtc 180

ttctaccttt tcttatcatt gaatcaaccc ctttttttt ttcttttaaa cacatcccaa 240

cccaaagtat aagcgcccac ctagtcctat ctagtccgaa aaatgcgaac tagaactaca 300

tgagacacta tctctgtcgt tacgaaccta acactttcta ccaagcttaa tcggaataag 360

acctcacaaa cactcacaag ttatataggg cttgaaagaa agtctaggtt tgggtttggg 420

ctaactgctc taataaggag agtcagctac ttggattaaa aaga 464

<210> 2209
<211> 409
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316021a08b1

<400> 2209

cacagcgcga aggcattaac gcctatgacg tgtactcccc aaaaatatgc tcgcaggttt 60

acttccaccc acaccatatg agcaccgcaa aaatggtgga ccacggcata tcctcacagc 120

tactactatc acacaggtta tcatagagcc attcaaacag agatgtcgaa aagaacccct 180

gctgcctcct tggcggcaca aatctgaccc aaatgcccaa ttgagctgga cagtctctaa 240

gcacgtgaag cacagattca actccacctt tacaaacctg agacacattc gaggcgctaa 300

gatgtcttgg atgccgatcc tcatctgtca taactatgcc cagcttggtt atatacattt 360

tctggctata cttatactta tatatatctg tcctaaatat aactattac 409

<210> 2210
<211> 387
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316021b01b1

<400> 2210

cgtacgcgtg ttttgctggc aagtcagttg ctaaggacgc aattgtggat ctcaagtctc 60

ctgaggtggc agtactagtg gaggtgctcc ccatttctgg ggtgcctgtt ggatcttcag 120

tcgccggggt gtctgttctc ccagctgaac tcgtctcggc taaaccccgt ctttgtgtca 180

aggctttggt gtctgataca aaaacaaaga acaagtgatg cgccaattcg gctgcaacca 240

gtcagagcac ctgtaacggc aatatatgga ggaaacgatc ttgttgggca tgctcatgtc 300

agccatgccg cagcttgagc attccacaaa caaagaaacg gcatcgcagc tgtcttgcct 360

ggctctgagt atgtcaattt gtaagct 387

<210> 2211
<211> 411
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsfl9316021b04b1

<400> 2211

ggctggattc catcattaaa acctcactgc ttgtttcctg aaaccacagg cgcagaactg 60

atggggttcc tatccacnca ncctaanagg agcatgggca ttcggcacta ttaaccgnat 120

ccatgatttc atcgagccag ggcataagat cttctggctc tcagttcttg acgtcgggac 180

agctgcacta atggtagcaa acctatcaaa taaataagtt ataaaattcg ccatagatca 240

tctttgctct tcccgagtcg atgttctgaa tgttgtattt tcagggcttg ttcaattcaa 300

tagcctatgg tttcaacagc tcagtgcgtc gagcaatcca tgagagactg gagctgtaag 360

tcaccaccga tctctttggt ttgctatatt attcccaata atcaatgaag c 411

<210> 2212
<211> 389
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316021b07b1

<400> 2212

tctagcggat ttggatttct ttaacaacta aggttcctgt ttttaacatt gtaatttcca 60

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acctttacta gacttttttct gcttctttag cttacttcac ctagagtctt ctacctttttc 180

ttatcattga atcaacccct ttttttttttt cttttaaaca catcccaacc caaagtataa 240

gcgcccacct agtcctatct agtccgaaaa atgcgaacta gaactacatg agacactatc 300

tctgtcgtta cgaacctaac actttctacc aagcttaatc ggaataagac ctcacaaaca 360

ctcacaagtt atatagggct tgaaagaaa 389

<210> 2213
<211> 450
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsf19316021b12b1

<400> 2213

ccgcacctag caaatggtga gccaagaaag ccaactgacg gcattgcaca tgagttgaca 60

agtaatgctg ctgctgctat tcaacgagat cgattctaac ctcaaagcgc ccagatccca 120

atgacgagct cgtcgacgat gtccaccacg ttgcagtcgc gccatgggcc ccgaatgcga 180

accccgtcga catggcctgg tccgttgtgc cggtactgcg atccggcgac ttgtcccatt 240

cgaccatcca gttctcgccc tcctcgtcgg cgcttcagag cttcgccgtg accctgcaac 300

aggtggcccc ttcgaagctg tccagccaca gccgcagcgg cattgagatc ctcgtcctcg 360

acgttgctcc ccttgcgcta gacacggtgt tcgtcaacct ggagagcgaa ttgacaaaac 420

tgctggagag cggcgagggc acctttaca 450

<210> 2214
<211> 381
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsf19316021c02b1

<400> 2214

aaatgccaac tgacggcatt gcacatgagc tgacaaagta ttgctgcngg tgctattcaa 60

cgagatcgat tctaacctca aagcgcccag atcccaatga cgagctcgtg gacgatgtcc 120

accacgttgc agtcgcgcca tgggccccga atgcgaaccc cgtcgacatg gcctggtccg 180

ttgtgccggt actgcgatcc ggcgacttgt gccattcgac catccagttc tcgccctcct 240

cgtgggcgct tcagagctcc gccgtgaccc tgcaacaggt ggcccccttcg aagctgtcca 300

gccacagccg cagcggcatt gagatcctcg tcctcgacgt tgctcccctt ccgctagaca 360

cggtgttcgt caacctggag a 381

<210> 2215
<211> 502
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsf19316021c05b1

<400> 2215

atctagcgga tttggatttc tttaacaact aaggttcctg tttttaacac tggattctca 60

gggtccttgc ccatctgcaa tagctaacaa gaactctttc ttttctttac aaatcccaaa 120

acctttacta gacttttttct gcttctttag cttacttcac ctagagtctt ctacctttttc 180

ttatcattga atcaacccct ttttttttttt cttttaaaca catcccaacc caaagtataa 240

gcgcccacct agtcctatct agtccgaaaa atgcgaacta gaactacatg agacactatc 300

tctgtcgtta cgaacctaac actttctacc aagcttaatc ggaataagac ctcacaaaca 360

ctcacaagtt atatagggct cgaaagaaag tctaggtttg ggtttgggtt aactgctcta 420

ataaggagag tcagctactt ggattaaaaa gagtgatcaa aatgaataag aaaatccaag 480

tattttacgg tatccatgag tt 502

<210> 2216
<211> 449
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsf19316021c10b1

<400> 2216

ccgcacctag caaatggtaa gccaagaaag ccaactgacg gcattgcaca tgagttgaca 60

agtaatgctg ctgctgctat tcaacgagat cgattctaac ctcaaagcgc ccagatccca 120

atgacgagct cgtcgacgat gtccaccacg ttgcagtcgc gccatgggcc ccgaatgcga 180

accccgtcga catggcctgg tccgttgtgc cggtactgcg atccggcgac ttgtcccatt 240

cgaccatcca gttctcgccc tcctcgtcgg cgcttcagag cttcgccgtg accctgcaac 300

aggtggcccc ttcgaagctg tccagccaca gccgcagcgg cattgagatc ctcgtcctcg 360

acgttgctcc ccttccgcta gacacggtgt tcgtcaacct ggagagcgaa ttgacaaaac 420

ggctggagag cggcgagggc acctttac 449

<210> 2217
<211> 512
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316021c11b1

<400> 2217

cttcccgcac ctagcaaatg gtatgccaag aaagccaact gacggcattg cacatgagct 60

gacaaagtat tgctgctgct gctattcaac gagatcgttt ctaacctcaa agcgcccaga 120

tcccaatgac gagctcgtcg acgatgtcca ccacgttgca gtcgcgccat gggccccgaa 180

tgcgaacccc gtcgacatgg cctggtccgt tgtgccggta ctgcgatccg gcgacttgtc 240

ccattcgacc atccagttct cgccctcctc gtcggcgctt cagagcttcg ccgtgaccct 300

gcaacaggtg gccccttcga agctgtccag ccacagccgc agcggcattg agatcctcgt 360

cctcgacgtt gctccccttc cgctagacac ggtgttcgtc aacctggaga gcgaattgac 420

aaaacggctg gagagcggcg agggcacctt ttacaaggac cattcgacaa gccccaatgc 480

caaggacgtt gccaacatga cgcccgagga gc 512

<210> 2218
<211> 401
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsfl9316021d01b1

<400> 2218

cactctgtta catctagcgg atttggattt ctttaacaac taaggttcct gtttttaaca 60

ttttaattcn cagggttttt gcccatctcc aatagctaac aagaactctt tctttttctt 120

acaaatccca aaacctttac tagacttttt ctgcttcttt agcttacttc acctagagtc 180

ttctaccttt tcttatcatt gaatcaaccc ctttttttt ttcttttaaa cacatcccaa 240

cccaaagtat aagcgcccac ctagtcctat ctagtccgaa aaatgcgaac tagaactaca 300

tgagacacta tctctgtcgt tacgaaccta acactttcta ccaagcttaa tcggaataag 360

acctcacaaa cactcacaag ttatataggg cttgaaagaa a 401

<210> 2219
<211> 454
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsfl9316021d03b1

<400> 2219

catctagcgg atttggattt ctttaacaac taaggttcct gtttttaaca ttngattttc 60

cagggttttt gcccatctcc aatagctaac aagatctctt tcttttcttt acaaatccca 120

aaacctttac tagacttttt ctgcttcttt agcttacttc acctagagtc ttctaccttt 180

tcttatcatt gaatcaaccc ctttttttt ttcttttaaa cacatcccaa cccaaagtat 240

aagcgcccac ctagtcctat ctagtccgaa aaatgcgaac tagaactaca tgagacacta 300

tctctgtcgt tacgaaccta acactttcta ccaagcttaa tcggaataag acctcacaaa 360

cactcacaag ttatataggg cttgaaagaa agtctaggtt tgggtttggg ttaactgctc 420

taataaggag agtcagctac ttggattaaa aaga 454

<210> 2220
<211> 478
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316021d05b1

<400> 2220

tacatctagc ggatttggat ttctttaaca actaaggttc ctgtttttaa cattttactg 60

ccaaggtttc tttgcccatc tccaatagct aacaagatct ctttctttttc tttacaaatc 120

ccaaaacctt tactagactt tttctgcttc tttagcttac ttcacctaga gtcttctacc 180

ttttcttatc attgaatcaa ccccttttttt tttttctttt aaacacatcc caacccaaag 240

tataagcgcc cacctagtcc tatctagtcc gaaaaatgcg aactagaact acatgagaca 300

ctatctctgt cgttacgaac ctaacacttt ctaccaagct taatcggaat aagacctcac 360

aaacactcac aagttatata gggcttgaaa gaaagtctag gtttgggttt gggttaactg 420

ctctaataag gagagtcagc tacttggatt aaaaagagtg atcaaaatga ataagaaa 478

<210> 2221
<211> 461
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316021d11b1

<400> 2221

cttcccgcac ctagcaaatg gtaagccaag aaagccaact gacggcattg cacatgagtt 60

gacaaagtaa tgctgctgct gctattcaac gagatcgatt ctaacctcaa agcgcccaga 120

tcccaatgac gagctcgtcg acgatgtcca ccacgttgca gtcgcgccat gggccccgaa 180

tgcgaacccc gtcgacatgg cctggtccgt tgtgccggta ctgcgatccg gcgacttgtc 240

ccattcgacc atccagttct cgccctcctc gtcggcgctt cagagcttcg ccgtgaccct 300

gcaacaggtg gcccttcga agctgtccag ccacagccgc agcggcattg agatcctcgt 360

cctcgacgtt gctccccttc cgctagacac ggtgttcgtc aacctggaga gcgaattgac 420

aaaacggctg gagagcggtg agggcacctt ttacaaggac c 461

<210> 2222
<211> 474
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316021d12b1

<400> 2222

tgttacatct agcggatttg gatttcttta acaactaagg ttcctgtttt taacatttta 60

tttccaaggg tttttgccca tctccaatag ctaacaagaa ctctttcttt tctttacaaa 120

tcccaaaacc tttactagac ttttttctgct tctttagctt acttcaccta gagtcttcta 180

ccttttctta tcattgaatc aacccctttt ttttttttctt ttaaacacat cccaacccaa 240

agtataagcg cccacctagt cctatctagt ccgaaaaatg cgaactagaa ctacatgaga 300

cactatctct gtcgttacga acctaacact ttctaccaag cttaatcgga ataagacctc 360

acaaacactc acaagttata tagggcttga aagaaagtct aggtttgggt ttgggttaac 420

tgctctaata aggagagtca gctacttgga ttaaaaagag tgatcaaaat gaat 474

<210> 2223
<211> 475
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsf19316021e03b1

<400> 2223

cttcccgcac ctagcaaatg gtaagccaag aaagccaact gacggcattg cacatgagtg 60

acaaagtttt gctgctgctg ctattcaacg agatcgattc taacctcaaa gcgcccagat 120

cccaatgacg agctcgtcga cgatgtccac cacgttgcag tcgcgccatg ggccccgaat 180

gcgaaccccg tcgacatggc ctggtccgtt gtgccggtac tgcgatccgg cgacttgtcc 240

cattcgacca tccagttctc gccctcctcg tcggcgcttc agagcttcgc cgtgaccctg 300

caacaggtgg ccccttcgaa gctgtccagc cacagccgca gcggcattga gatcctcgtc 360

ctcgacgttg ctccccttcc gctagacacg gtgttcgtca acctggagag cgaattgaca 420

aaacggctgg agagcggcga gggcaccttt tacaaggacc atccgacaag cccca 475

<210> 2224
<211> 449
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsf19316021e05b1

<400> 2224

ctagcaaatg gcatgccaag agagccaact gacggcattg cacatgcgtg acaaagtaat 60

gctgccgctg ctatncaacg agancgattc taacctcaaa gcgcccagat cccaatgacg 120

agctcgtcga cgatgtccac cacgttgcag tcgcgccatg ggccccgaat gcgaaccccg 180

tcgacatggc ctggtccgtt gtgccggtac tgcgatccgg cgacttgtcc cattcgacca 240

tccagttctc gccctcctcg tcggcgcttc agagcttcgc cgtgaccctg caacaggtgg 300

ccccttcgaa gctgtccagc cacagccgca gcggcattga gatcctcgtc ctcgacgttg 360

ctccccttcc gctagacacg gtgttcgtca acctggagag cgaattgaca aaacggctgg 420

agagcggcga gggcaccttt tacaaggac 449

<210> 2225
<211> 494
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316021e07b1

<400> 2225

cggatttgga tttctttaac aactaaggtt cctgttttta acattttaat tccaagggtc 60

tttgcccatc tccaatagct aacaagaact ctttcttttc tttacaaatc ccaaaacctt 120

tactagactt tttctgcttc tttagcttac ttcacctaga gtcttctacc ttttcttatc 180

attgaatcaa ccccttttt ttttttcttt aaacacatcc caacccaaag tataagcgcc 240

cacctagtcc tatctagtcc gaaaaatgcg aactagaact acatgagaca ctatctctgt 300

cgttacgaac ctaacacttt ctaccaagct taatcggaat aagacctcac aaacactcac 360

aagttatata gggcttgaaa gaaagtctag gtttgggttt gggttaactg ctctaataag 420

gagagtcagc tacttggatt aaaaagagtg atcaaaatga ataagaaaat ccaagtattt 480

tacggtatcc atga 494

<210> 2226
<211> 380
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsfl9316021e10b1

<400> 2226

tacatctagc ggatttggat ttctttaaca actaaggttc ctgtttttaa cattnnaaat 60

cncaagggtt tttgcccatc tccaatagct aacaagaact ctttcttttc tttacaaatc 120

ccaaaacctt tactagactt tttctgcttc tttagcttac ttcacctaga gtcttctacc 180

ttttcttatc attgaatcaa ccccttttt ttttttcttt aaacacatcc caacccaaag 240

tataagcgcc cacctagtcc tatctagtcc gaaaaatgcg aactagaact acatgagaca 300

ctatctctgt cgttacgaac ctaacacttt ctaccaagct taatcggaat aagacctcac 360

aaacactcac aagttatata 380

<210> 2227
<211> 230
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316021e11b1

<400> 2227

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acgggaagca aatttttggg ctgactatca aagttaattg ggcatatgct atcggacaga 120

gggaggatac aacagaccat ttccatattg atgctggtga tcttagccct gaggtcacgg 180

atgatgcatt atttgcagtc ttctcagcat attcccctaa ctgctctgat 230

<210> 2228
<211> 403
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316021f01b1

<400> 2228

aacactttgt tacatctagc ggatttggat ttctttaaca actaaggctc ctgcccgtaa 60

tattgtaatt ctcagggcta ttgcccatct ccaatagcta acaagaactc tttctttttct 120

ttacaaatcc caaaaccttt actagacttt ttctgcttct ttagcttact tcacctagag 180

tcttgtacct tttcttatca ttgaatcaac ccctttttt ttttctttta aacacatccc 240

aacccaaagt ataagcgccc acctagtcct atctagtccg aaaaatgcga actagaacta 300

catgagacac tatctctgtc gttacgaacc taacactttc taccaagctt aatcggaata 360

agacctcaca aacactcaca agttatatag ggcttgaaag aaa 403

<210> 2229
<211> 485
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations

<223> Clone ID: uC-tsfl9316021f03b1

<400> 2229

tctccgacct cttcccgcac ctagcaaatg gttagccaag aaagccaact gacggcattt 60

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gcgcccagat cccaatgacg agctcgtcga cgatgtccac cacgttgcag tcgcgccatg 180

ggccccgaat gcgaaccccg tcgacatggc ctggtccgtt gtgccggtac tgcgatccgg 240

cgacttgtcc cattcgacca tccagttctc gccctcctcg tcggcgcttc agagcttcgc 300

cgtgaccctg caacaggtgg ccccttcgaa gctgtccagc cacagccgca gcggcattga 360

gatcctcgtc ctcgacgttg ctccccttcc gctagacacg gtgttcgtca acctggagag 420

cgaattgaca aaacggctgg agagcggcga gggcaccttt tacaaggacc atccgacaag 480

cccca 485

<210> 2230
<211> 321
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsfl9316021f07b1

<400> 2230

agtagttaca gntcccgcta gaaggttaaa gaccaccatc tcctgctaca aagttaagaa 60

acccaggtca tccgaccttg tttctagcct gcctggtttt cgaagaacat gaagtggagc 120

tccttggcct tgagtctacc ctttcaggat attcattggc ctaacttgga gctcaaagtt 180

gatgaataac tatgcatgca tggttaatag cttttcgtgg cacaatgcct ttgggtattg 240

agtaatgctt acttttggca catttaataa ctagctactg tacttcgttg ccgtgcttca 300

cattttgaac tcaaaggaac a 321

<210> 2231
<211> 391
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316021f08b1

<400> 2231

cctcctaggc tatggctgac atcggggcca agctcgcgcg ggcagccctc gcatcccgcc 60

ccgttggaga tattgctggt ggcatctccc cgtgtctctc ccggctctat ctggcggctg 120

gtaccagccg tcgcatgttt gcagctgcag gcggtcccaa gtcaaaagaa gcaccccgaa 180

tatttcccct tgttgatgag aattccatta agtcgaagga atccctatgg gcctcgtatg 240

aatgctggtg caagtattgg ggggtatccc gtgaccgcga agagatggtc cgccggttca 300

agtcatttga ggctactgca cagtgggttt acaaaatgaa caactctggg tgttcgcaag 360

tgtctcaact gggcccgcat gcagattttt c 391

<210> 2232
<211> 390
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsf19316021f09b1

<400> 2232

cactttgtta catctagcgg atttggattt ctttaacaac taaggttcct ggcnctattt 60

ttggattttc cagggctnan gcccatctcc aatagctaac aagaactctt tcttttcttt 120

acaaatccca aaacctttac tagacttttt ctgcttcttt agcttacttc acctagagtc 180

ttctaccttt tcttatcatt gaatcaaccc ctttttttt ttcttttaaa cacatcccaa 240

cccaaagtat aagcgcccac ctagtcctat ctagtccgaa aaatgcgaac tagaactaca 300

tgagacacta tctctgtcgt tacgaaccta acactttcta ccaagcttaa tcggaataag 360

acctcacaaa cactcacaag ttatataggg 390

<210> 2233
<211> 220
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsf19316021f10b1

<400> 2233

aacgagagcg attctaacct caaagcgccc agaccccaat gacgagctcg tcgacgatgt 60

ccaccacgtt gcagtcgcgc catgggcccc gaatgcgaac cccgtcgaca tggcctggtc 120

cgttgtgccg gtactgcgat ccggcgactt gtcccattcg accatccagt tctcgccctc 180

ctcgtcggcg cttcagagat tcgccgggac cctgcaacag 220

<210> 2234
<211> 456
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316021f11b1

<400> 2234

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gttttgaact tatggggata ctatccactc attctaatag gatcatgggc attcggcact 120

attaaccgta tccatgattt catcgagcca gggcataaga tcttctggct ctcagttctt 180

gacgttggga cagctgcact aatggtagca aacctatcaa ataaataagt tataaaattc 240

gccatagatc atctttgctc ttcccgagtc gatgttctga atgttgtatt ttcagggctt 300

gttcaattca atagcctatg gtttcaacag ctcagtgcgt cgagcaatcc atgagagact 360

ggagctgtaa gtcaccaccg atctctttgg tttgctatat tattcccaat aatcaatgaa 420

gcttgatttt tatgaaaccc ttggtctgct agattc 456

<210> 2235
<211> 463
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsfl9316021f12b1

<400> 2235

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tcttaattcc agggctttng cccatctcca atagctaaca agaactcttt cttttcttta 120

caaatcccaa aacctttact agacttttc tgcttcttta gcttacttca cctagagtct 180

tctacctttt cttatcattg aatcaacccc ttttttttt tcttttaaac acatcccaac 240

ccaaagtata agcgcccacc tagtcctatc tagtccgaaa aatgcgaact agaactacat 300

gagacactat ctctgtcgtt acgaacctaa cactttctac caagcttaat cggaataaga 360

cctcacaaac actcacaagt tatatagggc ttgaaagaaa gtctaggttt gggtttgggt 420

taactgctct aataaggaga gtcagctact tggattaaaa aga 463

<210> 2236
<211> 442
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsf19316021g05b1

<400> 2236

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ggatactatc cactcattct aataggatca tgggcattcg gcactattaa ccgtatccat 120

gatttcatcg agccagggca taagatcttc tggctctcag ttcttgacgt tgggacagct 180

gcactaatgg tagcaaacct atcaaataaa taagttataa aattcgccat agatcatctt 240

tgctcttccc gagtcgatgt tctgaatgtt gtattttcag ggcttgttca attcaatagc 300

ctatggtttc aacagctcag tgcgtcgagc aatccatgag agactggagc tgtaagtcac 360

caccgatctc tttggtttgc tatattattc ccaataatca atgaagcttg atttttatga 420

aacccttggt ctgctagatt ct 442

<210> 2237
<211> 535
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsf19316021g06b1

<400> 2237

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taatctcagg gcttttgccc atctccaata gctaacaaga actctttctt ttctttacaa 120

atcccaaaac ctttactaga ctttttctgc ttctttagct tacttcacct agagtcttct 180

acctttttctt atcattgaat caacccctttt ttttttttct tttaaacaca tcccaaccca 240

aagtataagc gcccacctag tcctatctag tccgaaaaat gcgaactaga actacatgag 300

acactatctc tgtcgttacg aacctaacac tttctaccaa gcttaatcgg aataagacct 360

cacaaacact cacaagttat atagggcttg aaagaaagtc taggtttggg tttgggttaa 420

ctgctctaat aaggagagtc agctacttgg attaaaaaga gtgatcaaaa tgaataagaa 480

aatccaagta ttttacggta tccatgagtt caaatttgat gcagacatga taatt 535

<210> 2238
<211> 140
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsf19316021g11b1

<400> 2238

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atgacgagct cgtcgacgat gtccaccacg ttgcagtcgc gccatgggcc ccgaatgcga 120

accccgtcga catggcctgg 140

<210> 2239
<211> 351
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsf19316021h02b1

<400> 2239

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tggaattctc agggcgaang cccancncca atagctaaca agaactctgc ctttgcttta 120

caaatcccaa aacctttact agacttttc tgcttcttta gcttacttca cctagagtct 180

tctacctttt cttatcattg aatcaacccc ttttttttt tcttttaaac acatcccaac 240

ccaaagtata agcgcccacc tagtcctatc tagtccgaaa aatgcgaact agaactacat 300

gagacactat ctctgtcgtt acgaacctaa cactttctac caagcttaat c 351

<210> 2240
<211> 358
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsf19316021h03b1

<400> 2240

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catctccaat agctaacaag aactctttct tttctttaca aatcccaaaa cctttactag 120

actttgtctg ctcctttagc ttacttcacc tagagtcttg tacctttttct tatgattgag 180

tcaaccccctt ttttttttttc ttttaaacac atcccaaccc aatgtataag cgcccaccta 240

gtcctatcta gtccgaaaaa tgcgaactag aactacatga gacactatct ctgtcgttac 300

gaacctaaca ctttctacca agcttaatcg gaataagacc tcacaaacac tcacaagt 358

<210> 2241
<211> 358
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316021h06b1

<400> 2241

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acaaagaaat gctgctgctg ctattcaacg agatcgattc taacctcaaa gcgcccagat 120

cccaatgacg agctcgtcga cgatgtccac cacgttgcag tcgcgccatg ggccccgaat 180

gcgaaccccg tcgacatggc ctggtccgtt gtgccggtac tgcgatccgg cgacttgtgc 240

cattcgacca tccagttctc gccctcctcg tgggcgcttc agagctccgc cgtgaccctg 300

caacaggtgg ccccttcgaa gctgtccagc cacagccgca gcggcattga gatcctcg 358

<210> 2242
<211> 205
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316021h07b1

<400> 2242

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caatgacgag ctcgtctacg atgtccacca cgttgcagtc gcgccatggg ccccgattgc 120

gaaccccgtg gacatggcct ggtccgttgt gccggtactg cgatccggcg acttgtgcca 180

ttcgaccatc cagttctcgc cctcc 205

<210> 2243
<211> 352
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316021h08b1

<400> 2243

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aaaagctgct gctgctattc aacgagatcg attctaacct caaagcgccc atatcccaat 120

gacgagctcg tcgacgatgt ccaccacgtt gcagtcgcgc catgggcccc gaatgcgaac 180

cccgtcgaca tggcctggtc cgatgtgccg gtactgcgat ccggcgactt gtgccattca 240

gaccatacag ttctcgccct cctcgtgggc gcttcagagc ttcggcgcga ccctgcaaca 300

ggtggccccct tcgaagctgt ccagccacag ccgcagcggc attgagatcc tc 352

<210> 2244
<211> 322
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316023a03b1

<400> 2244

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ctcgtcgaag aagtgatggg ggaggtgctc ggcgtgttct tgtacatagt agatgtaggt 120

tcagtttccg ttctggtgtg ttgggcgtga tgcctaggac tggcgatatg ccgatgagga 180

gcgcgccgcc tgcgcgtacg agcagcgcat ggtggctagc ggcgatgctt tggttggtgg 240

cggtggcgtg gtgctactcg ctgctgcgtg attcatcgtc ggcgcatcct gcaataagct 300

cggttgctgc catgatttgg ag 322

<210> 2245
<211> 175
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316023a07b1

<400> 2245

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ccgtgtgaga gagatgggga ggcgccgagc cggcggcggg gggcgcggag gaggcatagg 120

tcgaggccga ggagaaggac ggggtggagg agaggaggag gatctgcatg tgcac 175

<210> 2246
<211> 364
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316023a11b1

<400> 2246

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ttaagcaagg gctcactcct tatgtcaatc tcaaccacta tgatatccct cttgcgcttc 180

agaagaagta tgatggcttc ttaagcccaa agatcgcgaa catatttgcg gactatgctg 240

aattttgttt caagacttat ggtgatcgaa ttaagaactg gttcacattc aatgagccaa 300

ggatagtagc agcacttggc tttgatactg gaacgaatcc ccctaacagg tgcaccaaat 360

gcgc 364

<210> 2247
<211> 333
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316023b02b1

<400> 2247

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gctgccgccg gctcggccgc ggtggcggcg gcccccgtct ccaaaggcag catggggaga 180

tccgcggtgg acgctttggg cgctcgctgg gcgtgggcgc gagatgcgcc gttcgtggcc 240

gcgatgctgg agcttggacg ctggtgcgtg cgggctgcac tcacctacct cgtgcgggag 300

cggtggaagt gccagcagag ctggatgcgt ggc 333

<210> 2248
<211> 317

<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316023b03b1

<400> 2248

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cgtggcggcg gggggtgccg cggcgcaggg cgtgggctcg gtcatcacgc ggtcggggta 180

cgcgagcatg ctgcccaacc gcgacaactc gctgtgcccg gccagagggt tctacacgta 240

cgacgccttc atcgccgccg tcaacacctt cccgggcttc ggcaccaccg gcagcgccga 300

cgacatcaag cgcgacc 317

<210> 2249
<211> 338
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316023c06b1

<400> 2249

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ctgcaacatg taccccgagg gagaggccgc cggcgccacc ctcctcgtgg ccgccaccgc 180

cacccacaag gcgagctcca ccgggatgga gatcgcaccg gaggatggca gctgctgctg 240

cacccagtgc aagagctgca ccagctgcgg gtgctcctgc tgcacctgct agatcattga 300

tcatcgatca tgcatgcacc gcgcgcatgc atcatatc 338

<210> 2250
<211> 362
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316023c10b1

<400> 2250

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cgtggcttac ggcgcctgca taaggagagg caagcagtcg ccgagcgaca gcgttcagaa 180

ggaactcgcc gacgagcttc gagcaaaggt tgcagatgag ttcatcaagc gaagaggaga 240

taccgaatgg ttcctcgaag gcaatttcga gagctatgtg cgtaagatga gaaagcctca 300

tgcctggggt ggagaacctg agctgctcat gtgctcccac gttcttggga tgcccatcac 360

cg 362

<210> 2251
<211> 389
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsf19316023e02b1

<400> 2251

gaattcttaa ttcaagagtt atagggaggg acttatgtca ccacaaacag aaactaaagc 60

aggtgttgga tttaaagctg gtgttaaaga ttataaattg acttactaca ccccagagta 120

tgaaactaag gatactgata tcttggcagc attccgagta agtcctcagc ctggggttcc 180

gcccgaagaa gcaggggctg cagtagctgc cgaatcttct actggtacat ggacaactgt 240

ttggactgat ggacttacca gtcttgatcg ttacaaagga cgatgctatc acatcgagcc 300

tgttgctggg gaagacagcc aatggatctg ttatgtagct tatccattag acctatttga 360

agagggttcc gttactaaca tgtttactt 389

<210> 2252
<211> 120
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsf19316023e03b1

<400> 2252

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actaaagcag gagttggatt taaagctggt gttaaagatt ataaattgac tgactacacc 120

<210> 2253
<211> 377
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316023g08b1

<400> 2253

tcttgattgt cggcaatcaa gtagaggcgt gaatggggat atggagtttt ggaatgtcat 60

atagaaggcc aatgtctttt agaagatcag aattttgttt ggcatgcgac atctaataac 120

ctggcgatcc aggtgaatag agttatgcac catctggctg ctccgggtat gtactctata 180

tttgtggggt ggaagatgaa agcatgtccc atgctctgat ggcttgcccc gaggagagct 240

ctacgcatgg agttgaagga agtttggaat attctgggga gtgaaatctt caacttctta 300

aggctcgatt ggatgcttct cttgttggat cagttaacct caacatacct tattcatatt 360

ctagggagct tggcact 377

<210> 2254
<211> 102
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316023g12b1

<400> 2254

ttaaaaaaaa aaaaaaaaaa aaaaaaaaag gggaaaaaaa aaaaaaaaaa acaaaaaaaa 60

aacaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaggggg gc 102

<210> 2255
<211> 253
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316023h01b1

<400> 2255

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aaattcggga caccaagggg gagcaattta ctccaaaatg gttcaagatg acggaagaca 180

tctcccctac cccgtggggc gacctggagg tgtatgaata caatggcaga tactccgagc 240

accgggctgc gat 253

<210> 2256
<211> 182
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316023h02b1

<400> 2256

actcccgatt aaggccggtc ttttatgccc ttgtgaaggg cgacacgcct aaatctgggg 60

cacacaagag caggcttgaa gaacaacata gagctgagaa gaaaattcgg gacaccaagg 120

gggagcaatt tacttcaaaa tggttcaaga tgacggaaga catctgccct accccgtggg 180

gc 182

<210> 2257
<211> 272
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316088b04b2

<400> 2257

gctcaaaaaa gccagcagac catggactgc tgatcttcct tactgcaggt gatgaatgct 60

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aagaggcact agaataagaa aaatagtcgc gtgctgataa gagaatgggc ttacatttta 180

cctactctga aagcaggcaa gattttatct gggggatgtc gggaatggca caacaatgaa 240

gctcgggggt aatatggcga cggggagcat ga 272

<210> 2258
<211> 456
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316088b08b2

<400> 2258

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ttccgcaagt tcagctatcg cggcgtggat ctcgatgccc tcctggacat gtccaccgac 180

gaccttgtcc agatgttccc cgctcgcgcc cgcagaaggt tcaagagggg tctcaagagg 240

aagcccatgg cgctcgtcaa gaagctgcgc aaggcgaaaa aggacgctcc tgctggtgag 300

aagcctgagc cagtgaggac acatctgcgt aacatgatca ttgtccctga gatgattggc 360

agccttatcg gtgtctacaa tggcaagacc tttaaccagg ttgagattaa gcctgagatg 420

attggccatt accttgcaga gttctctatc ttctac 456

<210> 2259
<211> 427
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316088f02b2

<400> 2259

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ttgttcaagc acacaactgc tgtatttcgt aaattgtgac gtgttcatat gatttttac 120

tgaaggtgct tgtcaattat aggtgaaaaa cttggcatgg aggcgcatag gattgctgct 180

tctgtttttg gattggccct tgcgagggag accgaagcaa actccagcag gtttcaggga 240

taatacaacc aatccaacta ctacctttgg tgtgcttttt ggatggacta atctgaagat 300

gctgactagc ttgcaccacc atcatatagt cacgaagcaa gggcaaggat tatagggaaa 360

ataaaggcaa ttcaccatcc ggaggaaatg ccaactaata cattttgta ctttctctat 420

tactatt 427

<210> 2260
<211> 205
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316088f03b2

<400> 2260

cttgttgcca cctttaattt gcttacagct gcggagagcg ccaattccgg gggcgggggg 60

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ggcgccggcg gtgggggcgg ggaag 205

<210> 2261
<211> 427
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316088f10b2

<400> 2261

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agaaggtgac cctcaagtac atggccaatg actccagccg gcgcagtagg tttaggaagc 120

gtctcggggg gctgatgaag aaggcggccc agctggccac cctgtgcgac gtcaagacct 180

gcgtggtggt gtacggcgag cgcgaggcgg agcctaaggt attcccttgc cacgccgagg 240

cggtggatat cctcaacgaa tttaaaagca tgccacagct agggcattgc aagaagacga 300

tggaccagga ggccttcctc acccagcgca tcgccaagct ccgggaccag gtcgacaagg 360

ctcgccgcga gtgccaagac agcgagatta ggtacctgct ttacaacatc atgcacggta 420

accaccc 427

<210> 2262
<211> 69
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316088g02b2

<400> 2262

acaaatgtaa tctgctgctg gccgcctgtg aatatgtgca catccggcta atgctagagg 60

gaagaaagt 69

<210> 2263
<211> 358
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316088h09b2

<400> 2263

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caccggcgaa gaggacgagg acgtcctcct cgacatgaaa gcgaagctgc atcgatttga 180

caaggacggg ggccagtgga aggagagggg cacgggtgcc gccaagctgc tcaaacacaa 240

tgagactgcc aaggtccgcc tcgtcatgcg acaggccaag accctcaaga tctgcgccaa 300

tcacctcgac gtggccacga cgaagatgca ggagcacgct gggagcgaca agtcgtgc 358

<210> 2264
<211> 341
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316090b10b2

<400> 2264

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tcctcagcag caaccccaac agttgggcca atgtgtttcc caaccccaac agcagtcaca 180

acaacaactc gggcaacaac ctcaacaaca acaattggca caaggtacct ttttgcagcc 240

acaccagata gctcagcttg aggtgatgac ttccattgcg ctccgtaccc tgcaccgatg 300

tgccgtgtca atgtgccgtt gtatagaacc accactagtg t 341

<210> 2265
<211> 381
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316090c07b2

<400> 2265

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agtaaattac gctatgaacc agagcctgta ccctctggta ttgggctcga catggaagaa 180

tctcgaaatg gctcaaaagt gccagaaagt gttgttggga ttgctccgct acctgagctg 240

aataaatcca aaaggggatc ccaaacagaa agatatagta aaccatcaaa accagcaggt 300

ttacttgaac gaatgctcat gttctccagt ggggttggca ttggtatttt atcttcctct 360

ctatcaagca aaaaagatct t 381

<210> 2266
<211> 351
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316090c11b2

<400> 2266

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attccgtctg cgctattaag gtttgtttgg aggaagggga ggaggttcgg aggtggagct 120

gagagagaga ccggagatgg cggcttccgc gaggcagggg gagagggcga ccagcttcgc 180

catggcctgc agcctgctca gccgctacgt ccgccagaac ggcgccgacg aggccgagct 240

cggcctcgga atcaacaagg gtgaggccga ggctcacagg acggcggaca ccaagagccc 300

tttgcctgcg gcggagggcg aggaggccgg caggaagaag gagaccatgg a 351

<210> 2267
<211> 445
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316090e01b2

<400> 2267

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atcaggcgcc accggtcgcc ggcagtgctg cccgagacga cgatcatcgt cgtcgggcga 120

acgccacaac aatcacaaag cccaattcta ccaccacaag tcatcttccc agcacgcgtc 180

ggcatgaaga aaagggagcg aaggaggatg cggagttccg ggggctggcg gcggcggtgg 240

cacgcgcggc aacggacgac cggacggtga tcatcacgtg cgtgaaccag gcttgggcgg 300

caccaggctc cttactggac ctgttcctgg agagcttccg catcggcgac ggcacggcgc 360

ggctcctcct acacgtgctg gtcgtggcca tggatcccgg cgcccatgca cggtgcctcg 420

ccgtgcacca gcactgctac cacta 445

<210> 2268
<211> 216
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316090e05b2

<400> 2268

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ccttccgtaa gaaggggtac atcccgctca ccacctacct gcgcacctac aaggtcgggg 120

agcacgtcga cgtcaaggtg aacggcgccg tccacaaggg catgccgaac aagttctacc 180

acggccgcac cggccgagtc tggaacgtca ccaagc 216

<210> 2269
<211> 462
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsf19316090f08b2

<400> 2269

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tgctccggag gctgttttgg atgctgtgag aaggccgcaa aacatgtagg cgatctttcc 120

aagagcttaa tagcccatgc ccagaatcct acggtggcag aggaattttg gagtacgacc 180

accatcgagg ttgatccggc agacctacga gcaccataca acacatcctc ttgggacctt 240

gatctgcatg gagtcggaag cagtcataac ctgggcgaat ctgctaatca tggtttttct 300

ctttggcaac aaactaggga tgagtggact gagaatacaa ggttaaggca agaaccggtg 360

gtgaagcaga tccaggaacc agtgttgagt tggaatgcag cgtatgaaag tttgcttgga 420

tcaaataaac cattccctca gcccatccct ctacatgaga tg 462

<210> 2270
<211> 379
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsf19316090f12b2

<400> 2270

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agccatgtcc ggggatggcc agagcggctt cgcaagggtg cactccgtgc tggtcccgat 120

gatggcgcag ggtcacataa tccccatgac cgacatggcg agcctgctgg ccgagcacgg 180

cgcgcaggtc accttcatca ccacgccagt gaacgcgtcc aggttggcga gctttgccgt 240

ccacgtggag gagacaggct tggcggaccg actcgtggag ctccatttcc cggcagccaa 300

gtttggccta ccggacgggt gcgagaccgt cgacatgatc caatcgcagg atctgctgtc 360

gaacttcttg gaggcatgc 379

<210> 2271
<211> 318
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsf19316092b06b1

<400> 2271

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gagctcggcg acataagcac tctcgctgac cccggcgtcg tcgaccagct gatcgcgctc 180

aaagattgct aggatgtaaa gcagttatgc gactgttttt tcccctatgc ggttatgtgg 240

ttggtagaag gttgatttta gtgctcgcta gtccttttaa tcagtgcgat tttctcctga 300

ggctagtgag ctgcagcg 318

<210> 2272
<211> 393
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsf19316092b08b1

<400> 2272

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actgtttcac taaatgaggt gaatgagagt acattatttc tgtctaataa gcttgatagc 120

actgtttcca ggatttctgc tattaaagaa gagaaagagg ttctttcagc ggctcttttg 180

gagcaaaaga aaagtacagc cgaagctcag aaaaatatgg tggatgctca gcatcttatt 240

aaaaggcttg ggatggagag agagaatagt gaaatcagga gtacaaagct tgaagaggag 300

ttggccacag caaaaggtga gatgttatat ctgaggaggc agattactgc aagtgggtca 360

cagaatacag atgttttgga agcaagccca aca 393

<210> 2273
<211> 380
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316092b10b1

<400> 2273

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ttgctgagat ggccggtcgt gggaaggcaa tcggcgccgg cgcggccaag aaggcgacgt 120

caaggagctc caaggctggg ctgcagttcc ccgtgggaag gatcgccagg ttcctcaagg 180

ccggcaagta cgccgagcgc gtcggagccg gcgcccccgt ctacctcgcc gccgtccttg 240

agtacctcgc cgctgaggtc ctggagctgg ccggaaacgc cgccagggac aacaagaaga 300

cacgtatcgt gccccgccac atccagctcg ccgtgcgcaa tgacgaggag ctgaccaagt 360

tgctcggcgg cgccaccatc 380

<210> 2274
<211> 399
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316092c01b1

<400> 2274

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ttcttgaaaa aatatttgtc ttagatccag ataagaggat aaccgtatca caggcactta 120

gccatccatt tatcactggc aagtgaaaat aagatgttga ttcctcttga cattgtaaac 180

tacaatttgg gttcctcttg tctaatcatc ggcatttcta tcttgtgtct gggagctatg 240

agatctgagt gcgtgcccaa atggacgaag catggggttg ctgaagagat gctgtcttac 300

ggaccttgct gcatgcactt accatttgga tagttctgct gcttggattc tgccagggcc 360

tctgctgcat gcacttatat ttcctaaagg accaacaaa 399

<210> 2275
<211> 241
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316092d04b1

<400> 2275

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aagatggacc tgactgtcta tcagtttgga attactgtcc gatggtctaa caaaaaagtg 120

gttatgggac agttaaagtt ttattttgca tgtctttgaa tcacgtagct ggatcatcgt 180

tttctagcat gtgtggtaca tccaaatatg caagtaagac gaattgcaag ttttattttg 240

c 241

<210> 2276
<211> 431
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316092d07b1

<400> 2276

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cggtgaggaa gaggagtgtt taccgaggca gaggaaacct cccgaagtaa ggaatgcact 120

ccgtgagaag agagtcgcgt ttaggcaaaa gactgggcgg caccatgcaa aggtagccct 180

gcgtaagtac aacagagcaa acaacaccaa gtttgagctg gtggaggtgc cagtgatccg 240

tgagttttgg gagtttggag ggggctgcat ccattacaac ttcacggcta agcaagcaga 300

ggatcatcgt cattctgctg atgcagacaa caccaagctc ttcttctctg aggtcaactc 360

tgctttccat ggcgacaagg atgtggtcct gtgctgtatc gttggagaac atgacaatgg 420

gcattgctat g 431

<210> 2277
<211> 421
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316092e12b1

<400> 2277

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gcaagtcgct cgcggaagcc gatctcgtca acgaggcaaa ggcgatcatc gacgaagcgc 120

gcgagcgcgg cgcgtcggtg ccgatcccga ccgacgtcgt gacggccaag gaattctcgc 180

cgacggccgc ggccacggtg aagcaggtcg ccgacatcga agcggacgac atgatcctcg 240

acatcggccc cgatacggcc aaggcgctcg cgagccagct cgagaaggcc ggcacgatcg 300

tgtggaacgg cccggtcggc gtgttcgagt tcgaccagtt cggcaacggc accaagacgc 360

tcgctgaagc aatcgccaaa tcgtccgcgt tctcgatcgc gggcggcggc gacacgctcg 420

c 421

<210> 2278
<211> 437
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsf19316092g02b1

<400> 2278

gctagttatc gcctccccac ctagcaattt acgtactccg ccatggcccc agccgtgatg 60

gcttcttccg ccaccaccgt cgcgcccttc caggggctca agtcgaccgc cggcctcccc 120

gtcagctgcc gctccggcag caccggcctc agcagcgtca gcaatggcgg aaggatcaga 180

tgcatgcagg tgtggccaat tgagggcatc aagaagttcg agaccctgtc ttacttgcca 240

cccctctcca cggaggccct cttgaagcag gtcgactact tgatccgctc caagtgggtg 300

ccctgcctcg agttcagcaa ggttggcttc gtcttccgtg agcacaacag ctcccccggg 360

tactacgacg gtcgatactg gacaatgtgg aagctgccta tgttcgggtg caccgacgcc 420

acacaggtgc tcaacga 437

<210> 2279
<211> 255
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsf19316093a05b1

<400> 2279

cccagatcca tcctctcctt tcctgcaacc gccgccgccg atctccactc ccccaaaccg 60

ccccgccccg ccggcgacct ccgccttcct ctcccctagc cacctcgcct accctcgccg 120

cctcgccacc cctctccgcg ctggcgccct cctggagcac ggaggtggtg ctggcctcct 180

acctccgtcc cgaccgacgc tcacgtccct ggcgcacacc ctgcgcctcg aagacgcccc 240

gctgcgctgg atcgt 255

<210> 2280
<211> 393
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316093c05b1

<400> 2280

gtccacctgg ccaccatccc catcaccggc accggcatca acccggcccg gagcctgggg 60

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cccatgatcg gcgcggcgat cgcggccttc taccaccagt acatcctcag ggccggcgcc 180

atcaaggccc tcggctcctt caggagcaac gcgtaacaag ttatcatcca tgtcatctgt 240

atgcaagact gaagcaatgg cgacccgtgt tgtgtccatc catccagaga gaaatgcgct 300

tttgcaactt ctcgacagtt cagttcggcc gccgcaatgg tcgtgttatt atgtgtcggc 360

agctgcatat gcgtagtacg tggtccggtc atg 393

<210> 2281
<211> 304
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316093c10b1

<400> 2281

gtcccctgca ggcccagcac cgccaactgc tccgccaccg ccaagaacgt ctgcccgccc 60

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atgtcgccac ggggcgccgc cagccgcaac ttcgccgtgg gctgcagcct cgcgtccgtg 180

caccagccgc cgtcggggct cgcggggttc ggccgcggcg cgccgtccgt gccggcgcag 240

ctcggggtca ccaagttctc ctactgcctc ctctcccgcc acttcgacga cgacgccacc 300

gtca 304

<210> 2282
<211> 119
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsf19316093d09b1

<400> 2282

gggcaaagaa tcactctggt gacccagaga ttgatgaagc tttaaagaag ggagaagatg 60

ctggccttgc cttggtgaag aaagcgtatg tgtacattca caagaatggg tacaagaca 119

<210> 2283
<211> 351
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsf19316093e10b1

<400> 2283

ttttcgttgg gctcccacgt tcaggggggag gatcaagtcc ccgtctatga atcgggtgca 60

gatgccctgc agaagctgca ggagaaatgg aagtccacgg cggcgccgta cccggccatg 120

tactcgagct tcttgggcgg catcgtcctg gacccggcca tgatggccct ccccatcgac 180

gaccacatgg tccaccgcgg ccacggcgtc ttcgacacgg ccatgctcct agacggccac 240

ctctacgagc tcgacacgca cctagatcgt ttcctgcgct ccgcggcgca ggccaaggtg 300

ggcaccccgt tcccgcgcga cacgctgcgc agaatcctcg tgcagatgac g 351

<210> 2284
<211> 402
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsf19316093e11b1

<400> 2284

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gcccgcgtcc accatggcgc tgccgaacca gaacaccgtc gattacccca gcttcaagct 120

cgtcatcgtc ggcgatggcg ggactggcaa aaccacattt gtgaagaggc atctcactgg 180

agagtttgag aagaaatacg aacccaccat tggtgttgaa gttcacccgt tggatttcac 240

cactaactgt ggaaagatcc gtttctactg ctgggacact gctgggcaag agaagtttgg 300

tggccttagg gatggatact atatccatgg tcagtgtgcg attatcatgt ttgatgtcac 360

ttcaaggctg acctacaaga atgttcctac gtggcacagg ga 402

<210> 2285
<211> 238
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316093f01b1

<400> 2285

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cgggatccgc ggcagccagc accgtcgcct cttcccgccg atccgccccg tcccgcccga 120

tcggcatggc ggacggggac tcggcggcgg cctacgcgcc gccgcggtcg ccgctcccgc 180

ccgagacgcc gtccacgcag aagcggaggc agcgcggcct cgtctcgcgg gtctggaa 238

<210> 2286
<211> 351
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316093f06b1

<400> 2286

cttagtttct gagatcacca ccactctgta cagaagatga cccagatagt gcttggtatg 60

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gtggcccagt ggagaaatgg cctcaaagac ttgctgcagt gccaccaaga atagccaata 180

gggaaatcaa ggggatgtcc atccaggcat acaaacatga cttttcaatt tggaagagaa 240

gagttgaact ctatggaaca tatttgaaag atttatctca caggagttac agaaatgtca 300

tggatatgaa tgctggtttt ggtagctttg ctgcagccat gttgaaatac c 351

<210> 2287
<211> 355
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316094a09b1

<400> 2287

ctgggtattc aacaatggaa tcatccacaa tgatgaaggt agttccgctg ccattgcccc 60

ttttgtaaag gatgtattgg acagcctaga attcgcaagg gggagtgcaa actcaacatg 120

gggctctgtt agagctgcaa tggggcatcc tgaaccgttc ccagtcaaat atgttgcgat 180

tggaaatgaa gattgcggga aaaaatacta cctcggtaat tacctcaagt tctacaatgc 240

tataagagaa tcctatccag acattcagat gatttcaaac tgtgatggtt catctaaacc 300

acttgaccat cctgctgaac tgtatgactt ccatgtctac accgattcta agact 355

<210> 2288
<211> 372
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316094d06b1

<400> 2288

acaagaccgt ccgaacctga gatttatggg cataagagat ctgaaagaga cgcatgtggt 60

cccgtcctgg atctcattgt ttgctgaatt tttgtggacg gaagaatttt acggtgcttt 120

gtggatgttc cttatggatg ggggctggga gtctcacgtg gaagaattga ttcatatggc 180

ttctggcggt caatgccgta gtgtcgcatt atcgatccca gctagccgta aacagattga 240

catatatctt gaattatttt gttagtggac gtatgatcaa atggattcag agatactctt 300

tctgttccaa aaggagggag tagtgattcc cgctgctatt tcatctttgg gtaagtagta 360

taccccgcaa aa 372

<210> 2289
<211> 402
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsfl9316094d07b1

<400> 2289

tantaacaag atatgaagaa ttaacctgtt aatttctttg caaaggaatt ggccagttag 60

tattttacta aataactatg gactagctac tatttttaca atgggttact tattagacta 120

gggacgtgtg atatctttct cccgttgcaa agctaaacca cgtcgtgtca tctttgtagt 180

ttacatattt tttagatgtg ttggcacaca ttttgaggca tcattttctt tcaagtcgtt 240

catcatcatt ggtcccattc tgcacaagac tatcgatgat accactctgc attggaccta 300

cacaatcatc aattttacca atgtcacaaa tggtctgtct tgtaatgtga cattatggct 360

aactgtttgg tttaaattat ggctggtaga tgtccttgga tg 402

<210> 2290
<211> 371
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsf19316094e04b1

<400> 2290

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ggcctcgccc cgggatcgga ggacgccgtc cgcgccctct ccgaggcccg cgaggccgcg 180

gacttcatcg ccaacatgat cgtccaggct aagcgctcac cctccggatc cttcgttgtg 240

aagcctgaga aggcacatgc cggagctacg cttgagattc cttccgagga gatcctgtct 300

acgttgaaat aggggaggtt tgcattatcc actgtgcaag cgtcactgat aggctagtta 360

taataagacc a 371

<210> 2291
<211> 326
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsf19316094e06b1

<400> 2291

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gcaagcttgg cgattgggat tcaagcgcca gcgctccaaa tccggcggag gggtggcgcg 120

cgccggcggc ggcgatttcg atttgtggta gtcctcaccg ctggaggcgg ctgcccgatc 180

cagccacctg agaacaaact cccgaccatc cctccttgcc cgcgtatata ggccgtactc 240

gttttcgcca ccatcctcga cgcgtctggc gtaagaggct gggggtggtc ttggtggcgg 300

cacacatccc aggaaggagc gagtgg 326

<210> 2292
<211> 351
<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316094f03b1

<400> 2292

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accagctgat gctgacggag tcggccgtgg agatccgacg ccgctttgag gatcaccgcg 120

gcctcgcccc gggatcggag gacgccgtcc gcgccctctc cgaggcccgc gaggccgcgg 180

acttcatcgc caacatgatc gtccaggcta agcgctcacc ctccggatcc ttcgttgtga 240

agcctgagaa ggcacatgcc ggagctacgc ttgagattcc ttccgaggag atcctgtcta 300

cgttgaaata ggggagggtt gcattatcca ctgtgcaagc gtcactgata g 351

<210> 2293
<211> 331
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316094f08b1

<400> 2293

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ggctgatcct gtgctcgatg gggcagacta atctctgccc agatccggtg cgcgccgatg 240

tggtctcgca agatccgggc agcacacgcc ctgaagatgc cgtcatggtt tgctggttgc 300

tcacgctccg gatgcaaaat tctgggtcga c 331

<210> 2294
<211> 238
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316094f11b1

<400> 2294

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ccttcgtcct cgtctacacc gtcttctccg ccaccgacgc caagaggaac gccagggact 180

cccacgttcc catcctcgcc ccgctgccca tcgggttcgc cgtgttcctg gtgcacct 238

<210> 2295
<211> 86
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsf19316094h02b1

<400> 2295

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aaaaaatggg gcggccgatc tagagg 86

<210> 2296
<211> 384
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsf19316095b06b1

<400> 2296

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ggtcaagaag gagtaccctg acgcgtatgt ccgcatcatc ggattcgaca acatgcgtca 180

ggtgcagtgc gtcagcttca tcgccttcaa gccaccgggc tgcgaggagt ccggcaaggc 240

ctaaacagct cactcacgac aggccatata taaagtgcca ttgcagtttt gtcaactctg 300

acattgcttt gggttttcct tctccattta tctttcttat ttgttcctaa gaatatgtgt 360

atgtccatgt tcatgtacca acat 384

<210> 2297
<211> 273
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsf19316095d06b1

<400> 2297

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aagacggaag taatgctgcc cctgttcact ccagttagaa ctactagtta ccgtttctgg 120

tggcgcaacg ccttcagtgc cttatattca attggcatgt agcatagtat tctttcttgg 180

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tcaataagcc tataagcagc gcaactgcag atg 273

<210> 2298
<211> 123
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316095e10b1

<400> 2298

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ccaacgtttg ttattcgtgt aggttgagtg taacgagtgt aataaggaca cagagctcta 120

gtt 123

<210> 2299
<211> 407
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316095g06b1

<400> 2299

gctaagtcca tggagcaggg cgccgtcgac gcggtgacca aatggcaaac gctcgcaccg 60

gtgctccccg acgacctcag cgtacgtgtc gtcatccaga agagccaggc caacttccag 120

tccctgtacc tcggcaactg cagcacggcg gtggcgacga tgcgcagccg gctcccggag 180

ctcggggtga cgagcgccga ctgcaaggag atgagctggc tgcagtacac ggtgtacata 240

tacttgggcg acgccatcaa cagcaagccg ctggaggcgc tcctcctcaa ccggtccacg 300

accctgggcc ccttcgtcaa gaacaagtcg gactacgtca agaaagccct caccaaggag 360

acctggaaga agatcttcct ctggcccaac ggcggcgggt cggggca 407

<210> 2300
<211> 258
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsf19316095h07b1

<400> 2300

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tcgaggggtg aaacaaggca aagggagagt aatgtggcgt cgctgcattt gttgtcaagc 120

cgctgagttt gatgagaatg aaaatgggcg tgccaaggcc aaggccccaa caaataacgt 180

agatggaatg aaaaagggtt tgaaagattc tgctactgtg aaagccgagc cacaagattc 240

agctccctgt atcaatat 258

<210> 2301
<211> 316
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsf19316096b01b1

<400> 2301

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ggccccgccc gcttcaggtc gctcgacttc ggcgagcgca acgggtacct caagggcgtc 180

gtcaccgatg tcatccacga cccggggcgt ggtgcgccgc tggccaaggt gaccttccgc 240

cacccgttca ggtacaagca ccagaaggag ctcttcgtcg ccgccgaggg tatgtacacc 300

ggccagttcg tctact 316

<210> 2302
<211> 397
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsf19316096c04b1

<400> 2302

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tccggggcgg tgacctgcgg cgacgtgacg tccgccatcg cgccgtgcat gtcatacgcg 120

acggggaagg cctcggcgcc gtccgcgggg tgctgcagcg gcgtgaggac cctgaacggc 180

aaggcgtcca cctcggccga ccggcaggcg gcgtgccgct gcctcaagaa cctggcgggg 240

tcgttcaagg gcatcagcat gggcaacgcc gtcaccatcc ccggcaagtg cggggtctcc 300

gtctttttcc caatcaacac caacgttaac ttgaacaaca ttcactaagt tatctgtcag 360

catcatcaca ccaggctcta tatggatagc tagccga 397

<210> 2303
<211> 305
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316096c09b1

<400> 2303

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ctccttagta ctgaaagaat gctgtgattt ttcttgaatg tacaagatct gtacacgctg 120

ggtcacggtg ctcaggcggg caacgcgtgc caaggcgcgc ttccgatcta gtataggtgg 180

ttgaaggcgc gatcgaggaa ggcctggctc ggtctcgggc ggccatccgc cgggcgactc 240

gcgcgcccag ggacgagagc gtccgccgga tacggagctt cagggacgtc ggcgacgctt 300

ttgcg 305

<210> 2304
<211> 280
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316096d03b1

<400> 2304

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cattctatca tacacagcat agcagcagtt ttctgcgaat ttttatgtcc acagtggttt 120

ctcttcttcg agtattacaa ttaaaccggt actacttgga tagctaatct attctataat 180

ccagctagag agacagacag ctcttggatt caccactcac tgaccaagac cttgtcttct 240

tgatcaagtg aaccctccgt gctttcgcga tattccagat 280

<210> 2305
<211> 379
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316096d11b1

<400> 2305

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aactgctgat ctgctttaag gagtttgata atgaattgag agtcaataga agatattcaa 120

ttgatcacat caagaagaag ttccaactgc tatctagttg tcaactccaa gaggctgaat 180

ggttgcacaa aaatcacaag cccaggtttg aagataaatt gcatttgggt gccatgtccg 240

taggcgcggt agggctatgc gtgtatatga tggcttgcat gggtgataaa atgcccaagg 300

gagcactgga gtgggcactt gcataccccg atgtcatcat ggcatgtgcc aagattgggc 360

gcctaatgaa tgaccttgc 379

<210> 2306
<211> 389
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316096e05b1

<400> 2306

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ccctctcccg gtgcgcgcct gttgctgcag acgagaagcg gctgaggcga agaggaatcg 120

accatggcga cccgtatcca gtttgagaac aactgtgaag ttggtgtttt ctccaagctc 180

acaaatgcct actgtctggt tgcaattgga ggatcagaga atttctacag tacatttgag 240

tctgagcttg cagatgtcat tcctgtggtc aagacctcta tcggtggcac tagaataatt 300

ggtcgcctct gcgttggaaa caagaatgga cttctcttgc cacacacaac cactgatcaa 360

gagcttcagc atctgaggaa ctgcatacc 389

<210> 2307
<211> 375
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316096e12b1

<400> 2307

aatccactcc aatccaatcc ccacagaaat ccccatctca aaaccctagc ccgtccgatc 60

ccggcgagat ggccaacccg agggtgttct tcgacatgac cgtcggcggc gcgccggccg 120

ggcgcatcgt gatggagctg tacaaggacg cggtgccgcg gacggtggag aacttccgcg 180

cgctctgcac cggcgagaag ggcgtcggca agagcggcaa gccactgcac tacaagggca 240

gctcgttcca ccgcgtgatc cccgacttca tgtgccaggg cggcgacttc accaagggca 300

acggcaccgg cggcgagtcc atctacggcg agaagttcgc cgacgagaag ttcgtccaca 360

agcacaccaa gcccg 375

<210> 2308
<211> 310
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsf19316096f05b1

<400> 2308

ttttattttg gatgtttatc aacaataaaa tatgggttag ggcagaacag taccaaactc 60

gaaaaatgca tatgaggatt ttccggaatt gttgcttgtt tttttcggtc taaattaaac 120

ttgcctaaac aggtagttta ctcatgcttc acctcttgcc atgttaacca acatttaata 180

ttgatgagta gctaaacgag aatgaactaa ataattgttg tgcatattga gctgcactta 240

atctgtttta ttgtttgttg caccttgcca tgccatgaat cattaaaccg gacattgcat 300

cacactcgat 310

<210> 2309
<211> 348
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsf19316096f12b1

<400> 2309

tctttgactt ccagagttcc ggactgatgc atatggtagc caccgaccag agcaagacgg 60

cgaccaagag gttcggatgg ctgtacgtgg cgcggtgggc ggcggcgtcc gtggtgacag 120

tgctggccgt ggcagtgatc attcgggccg cggtgctgat gctccgcccc cagaagctcc 180

agttcaggct ctccgggggc catgtggcag tcgactcgat cccgtcgatg ccgccgcctg 240

acaacgtcgt gacgctcacc ttcgccttcg tggcctacaa ccccagcggg cgcgcctccg 300

gcgagtacaa caacgtcacc gtccggctca cggacatcac gagcgcgt 348

<210> 2310
<211> 373
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsf19316097b05b1

<400> 2310

cctcaccttc ctccccccgc caccacccac caaggaaagg aggatgtctt gctgcggcgg 60

caactgcgga tgcggcgccg gctgcaagtg cggcaacggc ttctgcgggt gcaagatgtt 120

ccccgacgtt gaggccaccg ccggcgccgc cgccatggtc atgcccaccg cctcccacaa 180

ggggagctcc ggcgggttcg agactgccgg cggggagacc ggcggctgcg actgcaccac 240

ctgcaagtgc ggcacggcct gcggctgctc ctgctgcagc tgcaactgag ccggcgccca 300

ggaggccggc cggcgaggcg agcacgagga tgaggaggac aactggacaa gcaaccacca 360

ccaccaccac cac 373

<210> 2311
<211> 368
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsf19316097b06b1

<400> 2311

tccctaatga agggttcgac cggcaagtcg ccggcggcgg cgccgcccgc cttccggaac 60

aggtactgga tcctccgcca cggccgcagc gtccccaact agcgcggcct catcgtctcc 120

tccctggaga acggcacgaa accggagttc gggctggccc cgcagggcgt cgagcaggcg 180

cgctccgccg gcgagtcgct ctggaaggag cttgaggaga tgggtgtgcc ggtggactct 240

gtcaagatcc ggtactcacc gttctcgcgg acgacggaga cggccagggt ggtcgccggc 300

gtgctgggcg tcccatttga gggtcctagc tgtaaggtta ccgtggaact tcgtgaacgt 360

tattttgg 368

<210> 2312
<211> 364
<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316097b10b1

<400> 2312

ttcttgtggg accactacct cgatcttctc caggccgact acactgaggg ggatgctctg 60

gatgccttgg gcttggttcg ctactgctgc cgccgtatgc tcatgaccca tgttgacctc 120

attgagaagt tgctcaacta caacaccctg gagaagacgg agacaagttg aagttaattg 180

aacccattct gcctcgaaac ctttgttcct ttgtactttc caagatgctg tttcttgcgt 240

cagtgcttag gaggtgcaaa gtgaggcact gaaatgaagt tggtttgttc atgaatctcc 300

aaggactgtt agtgtgacca tgcgtttcta ctatgtgatc ttcaaggcta tattaaccaa 360

caag 364

<210> 2313
<211> 355
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsfl9316097d09b1

<400> 2313

ttcttgaacc atttaagata gtactaaatc agagacagaa agtctgttcg cagaggaaca 60

aagtcgatga agatcgtgtt ctcggtgctc ctgctatgta tgctcgtggc nacacccatg 120

gggtccgagt acggcgcatg gagctataac agtggtccct ggatgtgcta tccttttcag 180

gccttccagg tgcccgcgct ccctggctgt cgtccattgc tgaagctcca gtgcaatggc 240

agccaggtgc ccgaggccgt cctaagggac tgctgccagc agctcgccga tatcagtgag 300

tggtgcaggt gcggtgccct ctacagcatg ttggatagca tgtataagga gcatg 355

<210> 2314
<211> 440
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316097e04b1

<400> 2314

ttctttcgcg tgggttcgaa atccttgaag gagaaacacc gtgcagagct agttgagcag 60

aagaaggagg agctgtacga actcctcgcc aatgcccact ccaattcctc ggcctcctcg 120

ctggacaaga atctgatcaa ggatctctct acacaaatca agcctagact agaggacccc 180

caatggtgca agataactag gaacaagaag gcgactgatt tggctgcgtc ggtggttatt 240

cttgctactt ctgctctcac ttactgcgtc ttgacagctg gtcctgaaat agtaaagtat 300

gatggacatc ttgttactgt tgagagtctg cccattctac aaggacatga gcctgctgct 360

actgctaagg gagttcacaa gcaagatgtg cagaagtgaa ggggttgaag aagagatgca 420

tcttgtttga ctatcagttc 440

<210> 2315
<211> 372
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316097e08b1

<400> 2315

tatcgaagca agcttgtagc caaccaccat gaagaccatg ttgatcctcg ctctcattgc 60

cctcgcggcg actagcgtcg ttgcgcagct ggacactaca tgcatccagg gctatgggca 120

atgccaacag cagccacaac aacaggtgaa cacatgcgct gctctcctgc atcagtgtag 180

cccgacacca tatgtccagt cacaaatgtg gcaggcaagc ggttgccagt tgatgcggca 240

acagtgctgc caaccgctgg cccagatctc ggagcaggct cggtgccatg ccgtctgcgg 300

tgtggcccag gtcatcatgc ggcagcagca agggcaaagt ttcggtcagc ctcagcagca 360

gcaagggcaa ag 372

<210> 2316
<211> 385
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316097e10b1

<400> 2316

tctgaaagca agcggcattc aaggagatcc agggaaaaga gacatcacaa aatgcaagat 60

tttcccgtga gcaataggtc tgcacggaaa tcggatgaga agtggcacta tactgattca 120

agcgcacgtg aaagcgatag acattcaagg aaaccaagag aaaaatcacg ctactctgat 180

ccaagtgctt ctgagtattc cgattccgat cggccttcac ggagatcgaa tgagaagcga 240

cactatactg acttgagtac acgtgaaagt gatagacatt caaggaaacc gaagggaaaa 300

tcgcgctgct ctgatcaaag tgcttctgag tattcagatt ctgattggcg taatagtcat 360

cgccgtcgtc gaagaaagtg agtag 385

<210> 2317
<211> 445
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316097e11b1

<400> 2317

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agtgtggaag gataacaggt ttaaactgca agagtggaat ggacttggag caagtcagct 180

ggcctgacat gggcgttcac ggagcaagaa atctcgcgca gctacaacag cagttctggc 240

atggtgattt ggcacatcca catcagccag cttcacagtg ggaaaaacgg ggggatgtac 300

aacccccctgg ctttagcaac accagttctt ctctcttcgg ctacgatctc gcaagctctg 360

gaccgcagca accgccaaca agcaagctaa aagcagagct gtgagctaca tcagtatatt 420

gcaggccagg agagcgagct acaca 445

<210> 2318
<211> 314
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsfl9316097f03b1

<400> 2318

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ggccaacgcg tggtacgccg gcggggaccc ctccttcccc accgagatcg ccgacctctg 180

cgagggcatc tacggcaccg gcggcggcgg cgcgtacacc ggccagctgc tcacctacgg 240

gcggtccggc gcgtcgtaca acctgaacgg tgtcggcggg cgcaggttcc tggtgcagtg 300

ggtgtgggac ccct 314

<210> 2319
<211> 412
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsf19316097f08b1

<400> 2319

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ccagaaatgc agttatggtg ggccagatac agcaatacaa aataaggaga atgagttagt 120

gcagagcagt cgaaacgagt acctcaaact gaaagcacga gtggagaatt tgcatagaac 180

ccaacgaaat ttgcttggtg aagatctcgg gtcactcggc atcaaagatc tggagcagct 240

cgaaaagcaa cttgattcat ccttaaggca cataagatcc acaaggacac agcatatgct 300

tgaccagctc actgatctcc aaaggaagga acaaatgctg tgtgaagcga ataagtgcct 360

tcgaagaaaa ctggaggaga gcagccagca gatgcagggc caaatgtggg ag 412

<210> 2320
<211> 417
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsf19316097f11b1

<400> 2320

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tccggaagga tgcctcgcgc ggggttgtcg gcggtttcga gcaaggtgga cgtggccatc 120

gacctcggga acccgctcct caaccgcacc gtcgacntct tcctcaagat cggcgccgtc 180

ggcgcctgca gggtggccgc cgaggacgcc ttcgactgcc tccaaagtgg gagtgtctcg 240

aagcgcaagc ttgagaagac actggaaaaa atgtgcaagg agggcgcata ttggggtgct 300

gttgctggag tgtatgtagg catggagtat ggagtggaaa gggtccccgg agagtatgac 360

tggaaaaatg cattgattgg aggcatcgca agcggcaccc tgatctctgc tgctagc 417

<210> 2321
<211> 405
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316097f12b1

<400> 2321

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acgtcagcag atgcactcca gtgggcgatg tcagagctta tgaggaaccc gagagtgatg 180

cataaagcac aggccgagct gcgcgacaaa ctcggcggga agcctaccgt gaccgaggcc 240

ggcctggccg acatgaccta cctgaagctc gtcgtcaagg agaccctgag gctgcacccg 300

gcgctgccat tgctcgttcc aagggagtgc aacgagacgt gcaagatcat ggggtacgac 360

gtgcccaaag gcttcgtcgt gttcgtgaat gcatgggcga tcggc 405

<210> 2322
<211> 462
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316097g06b1

<400> 2322

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ggagattgtt cttgatgatc tagagcccaa ggttttcaag gcaatgcttc atttcatcta 120

cagagatacc ctcgttgatg attatgagtt ggatgcatca ggctccatgg gctctatttt 180

tgatactttg gcggcaaagt tgttggccgc agcagacaag tatgacttag gaaggttaag 240

attgctatgt gaatcttact tgtgcaaagg catttctgtg gcctcggttg caagtactct 300

tgcattggct gatagtcacc atgccatgga gcttaaagcc gtttgcctaa aatttgctgc 360

agaaaatctt tcagctgtga tccggactga cgggttcgat tgcctcaagg ataattgccc 420

atcacttcag tcggagatac tgagaactgt tgctgggtgt ga 462

<210> 2323
<211> 353
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsf19316097g09b1

<400> 2323

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tcgtgcggcg gcgggcgcgg gcgcgggcag gcgccggtgg tccaaggtcc tatncagtcg 120

ggcggttgat gtgggcggga gaccccgtcc gcgcggacac cattggcata aattcctggc 180

ggtggctggc gccaggacaa atatgatgct cgattcatcc gactctgact ccggcgctcc 240

tgctgggcag ctgcagctgc agcgccgcgc ggttgctgct gggacccatc cgcaggatgg 300

agggtacgcc agtgcggggt ggcagaggga agatggtaaa ctgaaatgtg ggt 353

<210> 2324
<211> 437
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsf19316097g12b1

<400> 2324

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ctggatggtc aagttccggc caggattcag ctacttcgcc ttcttcgccc tcaacctcta 120

tggtggcgtc tccgtcatcg agagcctcat gatgatcatc tcctcccttg tgcccaactt 180

cctcatgggg ctcatccttg gcgccggcgt cattgggatc atgatgctga cgtctggatt 240

cttccggctc cttccggaac ttcccaagat tttctggaaa tacccagtgt cctacattgt 300

ctacggctct tggggtttga agggtgcata caagaacgac ctgctcgggc tggagttcga 360

gccgatgacg ccgggaggcg agaagctgac cggcgagttc atcatcacca acatgatggg 420

gctgagcgtc agctact 437

<210> 2325
<211> 374
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsf19316097h05b1

<400> 2325

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acgccctgag ggaggcaatc acaaacatta tcaatgactg ccgtgagaag aaccgcaagt 120

tcgttgaaac cattgagctg cagattggtc tgaagaacta ttacccgcaa aaggacaagc 180

gtttcagtgg ttctgtcaag cttcctcaca tccctcgccc aaagatgagg gtttgcatgc 240

ttggtgatgc ccagcacgtt gaagaggcag ggaaaatggg cctagactgc atggatgtgg 300

aatcccttaa gaagatgaac aaaaacaaga agctggtcaa gaagcttgca aagaagtatc 360

atgctttcct tgca 374

<210> 2326
<211> 304
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsfl9316097h08b1

<400> 2326

taagcacaag gagcacctcg gcgagatggg cgccgccgcc gccggagcct tcgccctcta 60

cgagaagcac gaggcgaaga aggacccgga gcacgcgcac aatcacaaga tcgaggagga 120

ggtggccgcc gctgcagccg tcggcgccgg cggcttcntc ttccactagc accactagaa 180

gaagcaggac cacaaggagg ccaaggaggc cagcggcgag aagaagcacc accacttcgg 240

ctagatcacc gttgacgtgc ggtggccggc ctcgccgccg gccgtgcgtg tgcttacgtt 300

acgt 304

<210> 2327
<211> 374
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316098a05b1

<400> 2327

cttactcgtc cggaaaataa tgcagagaag gctacggcgg cagatggtca agctaaaaag 60

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aaggttggga agattggaga tgtaaatcct gttaaagatt ttgaagccat gctggcagag 180

agatctagct caatatgggt tcagaaggca attgaagaga tgaagaagta cacgaccaat 240

ttggtagaga attctcttca aggagattat tacgaaaagg cactcaagtg ttttgttgct 300

ctgcggaagg cctgtataat cgaacaggag ccggaggaat ataaccaatt tgtgacgaag 360

ctttatgaga gact 374

<210> 2328
<211> 371
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316098a11b1

<400> 2328

tgttcattga accactgaag ctcctattta aggatgaggt tcggaagctg ggaagtatcc 60

taaatgtccc agagtcattc ttaaagcgac acccatttcc tgggcctggt cttgctgtac 120

gtgtcatagg tgatgttaca gcaggcaatg ctctggaggt tcttcgtcag gtggatgaga 180

tatttattca agccattaaa gatgcaggcc tctatgatga aatttggcaa gcttttgctg 240

tgtttttgcc tgtccagaca gttggggtcc agggtgacca gagaactcac tcccatgtgg 300

ttgctctaag ggcaattact agtgaggatg gcatgactgc aaattggtat gattttgagc 360

gcccgttcct g 371

<210> 2329
<211> 399
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316098b08b1

<400> 2329

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agatcgatga cgaccagaag ctgcggaacc tttatgacaa gagaatctcc caggaggtag 120

ttggtgatct tctgggtgag gaattcaagg gttatatctt caagatcatg ggtggctgcg 180

ataagcaggg cttccccatg aagcaagggg tgctaacttc tgggcgtgtc cgccttctgc 240

ttcacagggg cacaccttgc ttccgtgggt ttggcaggcg taatggtgag cgcaggcgaa 300

agtccgtccg tggttgcatt gtcagccaag acctgtctgt tatcaacttg gtgattgtca 360

agaagggtga gaatgatctg ccaggcctta ctgacactg 399

<210> 2330
<211> 339
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316098b10b1

<400> 2330

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cgctgtggtt ccccggcgcg caggcgcccg agtacctcga cgggacgctc gtcggcgact 120

acggcttcga ccccttcggc cttgggaagc ccgcggagta cctgcagtac gacgtggact 180

ccctggacca gaacctggcc cagaacctgg cgggcgagat catcggcacc cggttcgagg 240

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tccgcgagtg cgagctcatc cacggtcgct gggccatgc 339

<210> 2331
<211> 312
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316098c07b1

<400> 2331

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ctgcttgggc tcagcactgc ccggtgaatg aattgccact tatcttccag ttggtcacag 120

tactttcgtc acttcagatg cccaattatc cttcacttga ttacaatact tgaataactt 180

cagatgcttc gacatagtag ttatgatttt atcgtagaat ggagacttct attatggagg 240

agtcattgaa caaatgttgt attttggttg ccaacctatg ctatatttgt gcttatgatg 300

cgttcttgaa tt 312

<210> 2332
<211> 466
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316098e01b1

<400> 2332

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tcacaactct tgagattggc gaatggtttt taactgagga cttgtacgtt gtgcttcgct 120

tcctccagct ttcaccgagg ctagaagaac tcactttgat gcataggccg cttgatgaag 180

gagcggaaat agattgcatg ccaattgacg ggatgacctt ccggtgtcca ctccttgaaa 240

gtgttgtcat acaatgttca gagggtgatg gaggaatcga taagctgcta agtgttctgg 300

tagtcaatgg gattagtcta gacaatataa atattgcctt ctatgatgaa attgaaaagc 360

gggaccgtgc ggagaggata cgtgccgacg aggaacggtc gaaggagctg cgcatcttcg 420

agaagagggt gaagagaaat ccagaatgga gagagtatga tccttа 466

<210> 2333
<211> 407
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316098g04b1

<400> 2333

cctccaccat gctcctgctt gtcgactgca tcgccacacg aagttcacag gccatagcta 60

cggacggacg aaattccaac tgtactgcaa cccctcagga tccacagtgg ccaaagatgg 120

cgatccacag ttgttcggtg taatgcctaa ggagaaaaca atgtctctct cacttttgtt 180

tttcgaaaga cctacctatc atcttgccgc tgctgcgtta gagtggctcc atctgcagat 240

gggggaggtc tcgaccagca gctgggagaa gtctcgacct gcacctggtc acgcgtgcca 300

ctgccactta ggtccaccac ctacagctgg cgccgcagtg cctcaaccat tcaactatgc 360

cacctcagca gttcaatata tattggagaa gaagaaaaaa caacagt 407

<210> 2334
<211> 414
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316098g07b1

<400> 2334

tttagagccg cgacgtgggc aagggcttcc gctgcgtacg catggtgaac aacatctacc 60

tcaacttcga cgccttccac ggcgacaagg cccacggcgg cgtccacgac ggcaccgagg 120

tcgtgctctg gaagtggtgc gagggcgaca accagcgctg gaagatcctc ccctggtaga 180

tgagatgcca ggagagcttt cgcattgcca tcgacacatc gccatggatt agtccgggga 240

caagcccccc cgccccgagt cgtcgtccgt ccgtccatcg tcgtcgtagt agtcctctgc 300

cgctggtagc gaataatgtt gctgtgtcca aataaaaccg tgtgcgatgt gtggcaatgg 360

tgtctgtgtg cgtccgtcgt gtgtcgcctt gtgattgaat gattgagccg gcgt 414

<210> 2335
<211> 416
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsf19316098g12b1

<400> 2335

gttaaagatt acgcacccga attgctctgg gaaaggctaa aagaatggat gtcgtcgcag 60

gagaaacagc tggtgtggaa gggcagctat tgctactata tcctgttctt tttgtattac 120

aggggtttga agcatatgtc ggagtgttgc ttcttcagac cgcgtggcac gggctcacct 180

ctgaatggca ggtcatagtg tgcgggatct tgctggtggt gatggcggtt ggcaacttcg 240

tcaacacggt ggagactctg gccctgaagc tgaggttcaa agcaaagatg aagaggacga 300

ggcccaggca ggagcctggc cagagccgtg cgaatcgcct gcatcaaaat tgacaatcca 360

gtctggtgtc acccctccat gcctggaatg gagacatcaa cactgacaaa accatc 416

<210> 2336
<211> 179
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsf19316098h07b1

<400> 2336

tcggtcgaat tcacccgtct gcaccgctca gtcccccgga ccggaccgcc ggacctgttc 60

ttgccttgcc atggcagcag cagcactgag ggcgcacctg aacgatcata tcgccagcat 120

gtacaccgat ggtgtgggcg acgaggacac gttcgaggag ctgcgggacg agggcaccg 179

<210> 2337
<211> 312

<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316099c05b1

<400> 2337

ttgaatagga atagaggtcg tgattggtgt aacgggctac aacgaagacc tgagacctga 60

gaagaagttt gcaaagaagg caaggagcgc aggacctgag acctgagaag tttgcaaaga 120

aggcaaggag cgcaggaggc tagatatctg tggagctgaa tgttggaaca acgaagtaac 180

caacgagtgg cttcataact catttcaatt gcagtatgcg tgcttctctt ccatcatctt 240

ttaagcatgg actaaccgtg gtttgtagca cattgagttt ttgcaacacc gatagacatg 300

aaccactccc tc 312

<210> 2338
<211> 210
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316099c12a1

<400> 2338

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ttataatatt atgtgcatgg gcatatacat agccatgggt aggatttaca tacgagcatg 120

ctttctagag ttatgttggg aacatggaca tacacatatt cttattttag gaacaaacaa 180

gaaagattaa tggaaaagga aaacccaaag 210

<210> 2339
<211> 370
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316099c12b1

<400> 2339

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ggcctcgtcg gccacctccg tcgctccttt ccaggggctc aagtccaccg ccggcctccc 120

cgtcagccgc cgctccaacg gcgctagcct cggcagcgtc agcaacggtg gaaggatcag 180

gtgcatgcag gtgtggccca tcgagggcat taagaagttc gagaccctgt cctacctgcc 240

accgctcagc acggaggccc tcctcaagca ggtcgactac ctgatccgct ccaagtgggt 300

gccttgcctc gagttcagca aggttgggtt tatcttccgc gagcacaacg catcccctgg 360

gtactacgat 370

<210> 2340
<211> 169
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsf19316099e10a1

<400> 2340

ttaccggaat ccgtttgtta ttgcggtata gtgagcgaca gtgcgcctga gggcagatct 60

tcccttgttt gtacattcat ttacactcta caacaggatg tcccaaagaa taatggtatc 120

tacacctagc aaaccagata acgttattga tgcggtgatt ctatagctc 169

<210> 2341
<211> 341
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsf19316099f03b1

<400> 2341

ttcatcacgt actcgcatcc atcacactag cttgcttagc atcgccacct gctcttagaa 60

tggcgggcta ctacaacggc ggcggcagga ccatgtccta ctccaacaac gatgagtgct 120

tcgatggcgg caggacgatg tactccaaca ccaccgacga ctgctacgac gccggcaagc 180

acgggcacgg gcacgggcat ggccatggcc atggcggggc aaacatgtac gctaacacca 240

ctgacgtgga gtgcttcgag gactccggca ggcacggcta cggtcggtgg tggcaggacc 300

atgtactcca acaccgtcga cgaggagtgc ttcgactccg g 341

<210> 2342
<211> 102
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsf19316099g04b1

<400> 2342

tattttaaaa aaaaaaaaaa aaaaaaaaaa aaaataaaaa aataaaaaaa aaaacacaaa 60

aaaacaaaaa aaaaaaaaag ggggggccgt cctagaggat cc 102

<210> 2343
<211> 421
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316100b08b1

<400> 2343

cacttaggca cagccgccgc cgccgcggct cccaggacag cagccaagga agaggaagcc 60

aagcctccgc catgccgaaa tccaagcgca atcgctcagt caccttgtcc aagaccaaga 120

agaagcctgg tctagagcgt aagggcaagg tggtcacgga gatcaaagac gcgattgagc 180

gccacagcag cgcctatgtc ttcaccttca acaatatgag gaatcagaag ctcaaggacc 240

tcagggacca acttaaatcc tctagccgga tattccttgc tggaaagaag gtcatgcaga 300

tagcattggg gcggtcacct gctgatgaag ctaagacagg cctgcataaa ctctccaagt 360

tccttcaagg tgcttctgga ttgttattta caaatctccc agggatgatg ttgagagatt 420

a 421

<210> 2344
<211> 469
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316100c10b1

<400> 2344

ggaattcata catcgactga agcagcattt gttcctaaag ttattgactt ggcagccaga 60

gaactcactt cccttgctac tcctggtcaa gttgaccaaa cccaactgga acgtgctaaa 120

gcatttgcaa aatcagctat cttgaagaac ctggaatcaa aggcatcaac aactgaagac 180

atggggcgcc aagcattggc atttggtgaa aggaaacctg tggagcagct tcttaaggct 240

gttgatgcta taactctggc agatgtatca actgttgctg agaagatcat ctcgtcacca 300

ttgacaatgg catctcatgg aaatgttctc aatgtaccag cctacgagac agtgcgtggc 360

aagttcagct cgaaatgagg aggcttctga acaagttaac tgttcatatt taattttctc 420

caagacctgg tcacattttt cacaagaaaa ataagatgca tacaatttt 469

<210> 2345
<211> 325
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316100d02b1

<400> 2345

aatttcactg catgggttgg tctccgctgg attgtgacca actctttgtg tgtggcctgt 60

cccggttctt tgtggttctt tgcgcctgct cggtcctccc aagacatcag ataaattctt 120

gtgaatctga tcagcatcat cttatcgctg atgtagcatc tgtagtctag atatttgaaa 180

gagtatgtga tcgaaggcat tacctcatca ccccatagcc cctctgtata gtgtcttgtt 240

agaggaatat gtggaatcgt gttcgttggt tgatcaagca cagctgcagg tcaaataaat 300

cttaagctgc caattcttat tttcc 325

<210> 2346
<211> 375
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsfl9316100d05b1

<400> 2346

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cccggtgccc gtcctgcggg aacgagatgg cgaccgagac ccagtacgtg ccgccgccgg 120

cgccggccct gccggagcag agcgccgcca cggcgaagac ggggtacgtg cagggctccg 180

tgacgtacac ggtgacggac gacctggccg tgacgcccat gtcggcatct cagcatcncg 240

cggctcggcg ccctcgccgc cgtcgggggc ctcgccgcgc tccaggagaa gaccgtggag 300

ctcgggtaca gggagggcct ggagatcctc aaggcctcgc tgcggtccaa gactgtcctc 360

acggacgtct tcctc 375

<210> 2347
<211> 343
<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316100d10b1

<400> 2347

cccacgcgtc cgcccacgcg tccggggaga tgcccagcca gcaaaggtga gcgtgaggat 60

cccttcatgg acatccacag ctgacgcaat ggcaactctg aatggcaaaa aactcaacct 120

gacatctgca ggtgatttcc tcacgttgac aaaactctgg ggcgatgata ccttagtgct 180

ccaatttccc attaacttga gaaccgaggc aatcaaagat gaccggccgg agtatgcgtc 240

catccaggcg gtgctgatcg ggccgcacct cctcgccggc ctgacacacg gcaacaaggg 300

ccattaacgc gaccgagcac tccaacgacg gcctgacccc ggg 343

<210> 2348
<211> 102
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316100e07b1

<400> 2348

aaaaaaaaaa aaaaaaaaaa aaaaaagaaa aaaaaataaa aaaaaaataa taaaaaaaaa 60

aaaaaaaaaa aaaaaaaaaa aaaaacaaaa aaaaaaaata gg 102

<210> 2349
<211> 429
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316100e10b1

<400> 2349

gttatcagcc tcctcctctt ccctcgccgc ccgccgcccg ccgaggttgg tcgccggacg 60

ccatggcccc caccaagaag tcgaagaaga gcacggagaa catcaacaac aagctgcagc 120

tggtgatgaa gagcggcaag tacacgctcg gctacaagac cgtcctcaag acgctccgga 180

gctccaaggg gaagttgatt atcctcgcaa acaactgccc tccgctcagg aagtctgaga 240

tcgagtacta tgctatgctg tccaagatca gcgttcatca tttccatgga aacaatgtgg 300

atcttggaac tgcgtgtggc aagtactacc gggtgtgctg tttgagcata cttgaccctg 360

gtgactcgga catcatcacc accgttcctc agtgaagaca agcttaccta tcctagccta 420

agatgatgt 429

<210> 2350
<211> 394
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsf19316100g05b1

<400> 2350

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acctcgctgt caccgccagc atcatgccgc gtcccgtgga aggttagctg catgcatgcg 120

gcgcgggtgc atgtgccaga ggaagatgga tctggagagt cacgaattgg attaaaactg 180

gcatgcctta tagtatatac cctaaataac aagggcatgc gttgtgtcga gtgttatatt 240

gtgtctttgt gttgatcatg gatttccccg gttatgtgaa catgttttac tttactcagt 300

atagaagcat ttgagggttg gagctgttat gtgagactct atttcgtgag caacttctcg 360

aagggtttat ctatgcatga ccttatcttg gttt 394

<210> 2351
<211> 326
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsf19316100h03b1

<400> 2351

gagaatagaa aatacacaaa agatagacca cgattgccgg catcgagccc gacgaggcgt 60

cggaggtgcg acaaagatga ggaagaagct gggcacccgg ttccccgcgg cacggatcaa 120

aaagataatg caagcagatg aggatgttgg caaaattgca ctggctgtgc ctgttttagt 180

ttcgagagcc attgaattgt ttctgcaaga tttgatcgac cactcataca aaattactct 240

tcaaagtggt gcaaagacac tgaattcctt ccacctaaag caatgtgtga agaggtacag 300

ctcttttgac ttcctaactg agattg 326

<210> 2352
<211> 462
<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsf19316100h10b1

<400> 2352

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gataaattag ggagagaggc ttatgataag gtagatgtca taggtatcga tgaagcccag 120

ttcttcgatg atcttcatga tttttgcagc aaagctgctg atcatgatgg aaaaatcatt 180

gtggttgcag ggctagatgg tgattacaaa aggaacaagt ttggctcagt tctggacatc 240

attcccctgg ccaactcggt caccaagctg acagcacggt gtgagttgtg cgatcgccgg 300

gcgtccttca cattgaggaa gacacaggaa accaggactg aactcattgg tggagccgat 360

gtgtatatgc ctgtgtgcag gcagcactac ctggacgggc agattgtcat cgaggccaca 420

cggattgtca tggatattga aagatccacg gaagtagctc gc 462

<210> 2353
<211> 322
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsf19316102b07b2

<400> 2353

tctccatatc cacaaccgca accacagtat ccgcaaccat attaaccaat ttcgcagcat 60

caagcacaac aacaacaaca acaacaacaa atccttcaac aaattctgca acaacaactg 120

attccatgca gggatgttgt cttgcaacaa cacaacataa cgcatgcaag ctcacaagta 180

ttgcaacaaa gtagttacca acagttgcaa caattatgtt gtcagcaact gtttcagatc 240

cccgagcagt cgcggtgcca agccatccac aatgtcgatc atgctattat tctgcatcat 300

cattaacaac aacaacaaca ac 322

<210> 2354
<211> 322
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsf19316102c11b2

<400> 2354

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ggggcctggc cggcagctcc atctccggcc gcaagctcgc cgtccggccc gcctccgccg 120

ccgtctcccg ctccacgcgc agggctcgcg gggcggcggt ggtggccaag tacggggaga 180

agagcgtcta cttcgacctg gacgacatcg ccaacacgac ggggcagtgg gacctgtacg 240

gcagcgacgc ggcgtcgccc tacaacggcc tgcagagcaa gttcttcaac accttcgccg 300

tgcccttcac caagcggggg ct 322

<210> 2355
<211> 375
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsf19316102e02b2

<400> 2355

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tcatctacag cataggaagc ggggagatgg aagggagcag cagccggacg ccagagataa 120

ccatcgtccc ggcgcctagg ccggcggcgg gcggtggcgg tggcggtggc gccgtggacg 180

cggtgaaggc ggcgagcaag gagcccatca gcccgggctc gccttccccg gccagcaagg 240

tgcgccccgg cgccgtctcc ctgcccgggt ggaagctcga ctccctctgc aaggagtcca 300

gctcgccgcc ggccatgatg gcgcgcttcc cctatttctg aagccacgcg ggcatccttg 360

tcatcctttg ctagt 375

<210> 2356
<211> 356
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsf19316102f03b2

<400> 2356

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tggtggtgaa gttaagctgg ctgcaagtct tgctcgacca cgtcgggaaa tacaactgga 120

caagaagagt gctaaaggtg gggtcaaggt caatagtgac gcaacttcta aagacaccaa 180

caattctatt aagaaaaaga accagaatag ggaggtcgaa gtgaagaagg attcaccaca 240

taaattgcga aaaggtgatg tgagcaagct gacctcacat gttgatgcga aagtaccaca 300

atcatccaac ccatcgaaag gcaaacggaa agctggaaag actgaaaata ccgctg 356

<210> 2357
<211> 193
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsf19316102g07b2

<400> 2357

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gccggcccgc gcccgctgca gaggctggga acttcttgcc agttttgaag gtagcagtac 180

gtacccaaag gta 193

<210> 2358
<211> 236
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsf19316102h07b2

<400> 2358

tcggtggaga agctgataac atcaaagatg atacttgctg ggtcgaaccg gagacttcat 60

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gtctcaagag caaagtcaga agcagccaat tatgaaaagg tatacggaga acccatgcct 180

gtaaaggaat tagctgatcg tgttgctagc tatgttcatc tgtgtacact ctactg 236

<210> 2359
<211> 272
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsf19316102h11b2

<400> 2359

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ttgatgtgga cattggagcc aatccctctg ctgagggtgg tggtgatgat gagggtgtcg 120

atgaccaggc cgtgaaggag gttgacattg ttgacacctt ccgtcttcag gagcaacctg 180

cttttgacaa gaagcagctt atctctcaca tgaagcgcta catcaagaac ctctctgcca 240

agcttgaagg ggatgaccta gatgttttca ag 272

<210> 2360
<211> 281
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316105a10b1

<400> 2360

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gggttggttg gttggctggt gttgtatact gtcctctggt tatacaggtc tgctcaaagt 120

gtagcgtgac tgagtcgagc ggtaagaatt gaattgcgat gggaggaact ctgtttttgt 180

cgagtcggag aaggcggtgc gggtgcgcgc cttgtaggtt ataggaagtt gaggtcggtc 240

ggtcgagtca aaatttgtat tggctggttg cagtggggtc t 281

<210> 2361
<211> 330
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316105c09b1

<400> 2361

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aagaactttc atgcattgac aaggttggat gaaaatagag ccaagtgtca gctagcgtta 120

aaagctggtg tgttttatga caaaatatca aatatgacta tttggggaaa ccattcaaca 180

actcaggttc ctgatttctt gaatgccaaa attaatggga ggccagtaaa agaagtcatc 240

aaagatacaa agtggctaga agaggatttc actataactg ttcaaaagcg tggaggtgtg 300

ctcatccaaa agtggggctg atcttcagct 330

<210> 2362
<211> 284

<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316105d06b1

<400> 2362

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caaaagatgg agttaatgtt gtgagtggag actcattaat cgaatgtgct aaaattgcta 120

atgaatgtgc aaaggttggt gcagttggca taaactgcac acctccaaga tttattcata 180

gcttgatact ctccattcgg aaggtcacag acaagccaat tctgatatac cccaacagtg 240

gagaaagata cgatgctgag aaaaaggagt gggtggaatc cact 284

<210> 2363
<211> 313
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316105e04b1

<400> 2363

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gttcctgaga acaaacggcg agagtctaca ttgaaaggga ttgtgatagc aaggcgcaat 120

gctgggataa atacaacctt cagattgcgt agattagtag ctggtgtggg agtcgagtcc 180

gtctttccac tttactcacc aaacatcaaa gaaatgaaga tcttggacag gaagaaagtc 240

aggagagcta agctgtatta cctgagagac aggatgaatg cacttaaaaa atgaggcttt 300

cggctaggat ttt 313

<210> 2364
<211> 300
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316105e07b1

<400> 2364

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ggcgctgcgg tgggaggatg tggaggtggg cgagcccggg gacggcgaga tccggatccg 180

gaacaccgcc atcggcgtca acttcatcga cgtctacttc cgcaagggcg tctaccccgc 240

tcccccttccc ttcacccccg gcatggaagc tgttggcgtg gtgactgccg tggggcccgg 300

<210> 2365
<211> 356
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316105e10b1

<400> 2365

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ccagcacggc cacgttcccg ctggaggtgg cgcggaagca gatgcaggtg ggcgccgtgg 120

gcgggaggca ggtgtacaag aacgtgctgc acgccatgta ctgcatcctc gagaaggagg 180

gcaccgccgg gctctaccgc gggctcggcc ccagctgcat caagctcatg cccgccgccg 240

gcatctccta catgtgctac gaggcctgca agaagatact tgtcgacgag aaagaagacg 300

gcggcgccgt cgagccccag gaggagacgg agaccggaca ggcaggagga caggcg 356

<210> 2366
<211> 243
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316105f06b1

<400> 2366

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aagagtgcag tgcgcacaac agtaagctag ggttgggcaa gctttttggg gacccaagat 120

caagatgcct gcctgctctc tggggttttg gtggtgttat cgatgaagct gatttttgcc 180

cgtttggcgc cggggctgta tccatccatg tcttttgaaa aatgctacgt ggctactctt 240

aat 243

<210> 2367
<211> 318
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316105f10b1

<400> 2367

tccgcgatat cacaaaatat cacatccttc cacatgagtt gctcttcgga atgatagcta 60

tatgcttcat ttggtccttc caagcaaagt tgatccactg gtcaatctta tgaaagttga 120

taaggtccca gattctacat atgatatgat tggaggtctt gatcagcaaa tcaaggagat 180

caaagaggtc atcgagcttc ctatcaaaca tcctgagtta tttgagagcc ttggaattgc 240

ccagccaaag ggtgttctcc tttatggacc accagggaca ggcaaaacat tactggcacg 300

tgcagttgct catcacac 318

<210> 2368
<211> 393
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsf19316109d03b1

<400> 2368

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acctcatagg catgcattgg atgttctggt taccggttta tgctgcagag atgtggttgg 120

tgaagcatat aggtgcttcc gggagctggt tgagatggga atggcaccta cagagcgtgc 180

attcagggtt ttggaagggt tcttgaagaa gaagcgggag tttgggaaga ttgacgagat 240

taggcaaatg atgaaggcta tccaattgga ggagcatcaa gctgaagaag aagctgcgtg 300

aagctatcaa ccctcctgtg ggccctttg aaaagaaaca tatttatttc ttggaccatg 360

taaaatttcc aagcctgcgt ggtttaagca aag 393

<210> 2369
<211> 281
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsf19316109g11b1

<400> 2369

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gtcgccggcc aaatcgaccg cacactgagc tggaaggtaa accaagaaga agaaaaatgt 120

cttacttgaa cttgacaact aactccattc gtgtatgaaa tttgttctag ttgccgtggc 180

tctgaactga agatgtagcc ttgtggtgca ggatgtgaag tggctgcagt ccattaccac 240

gatgccgatc ctggtgaaag gagtgatcac cgcagaggac a 281

<210> 2370
<211> 290
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsf19316109h02b1

<400> 2370

attaacaagt ctgccccaag gatgcccgat gtgatcattc ctgaggatct ggttgacaac 60

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tcttggccgt gacataaaga aggtccttat ggtgattgct ggtctatggc tgctttccat 180

tctcggcagt tgctgcaact tcttgacgct gatctacatt gtttttgtgg ttctgcacac 240

agttccagta atctacgaga agtctgaaga tcagattgat acctatggtg 290

<210> 2371
<211> 450
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsf19316109h04b1

<400> 2371

ctctttcttg cggcactcac actacactca tccacgcaca agctaatcta gcggcgtggc 60

tcacttcagt ccagtcggca tggcggctcc caggggcgcg gcactggtgc tggcgatggt 120

gctcgcggcg atgctggtgg cgccgccggc gacggtgcac gccatatcct gctccacggt 180

gtacagcacg ctgatgccgt gcctgcagta cgtgcagcag ggcgggtcgc cggcccgggg 240

ctgctgcacc ggcatccaga acctgctggc cgaggccaac aacagccccg accgccgcac 300

catctgcggc tgcctgaaga acgtcgccaa cggcgcctcc ggcgggccct acatcacccg 360

cgccgccgcg ctcccctgca agtgcaacgt cgccctcccc tacaagatca gccccagcga 420

cgactgcaac tcgatccact gaacgaactg 450

<210> 2372
<211> 290

<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316110a01b1

<400> 2372

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gcgctccaga gccccgatgt cgagctcgtc gccgttaacg acccccttcat caccaccgac 120

tacatgacct acatgttcaa gtatgacact gtccacggtc agtggaagca ccatgaagtt 180

aaggtgaagg actccaagac ccttctcttt ggtgagaagg aggttgcggt gtttggctgc 240

aggaacccat aggagatccc atgggctgct gctggtgctg agtacgttgt 290

<210> 2373
<211> 372
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316110b02b1

<400> 2373

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aacgagatca tggacacgac cgacaagaat ctcatcggca agctcgtccc cgccatgcag 180

atgctcaagg atgcgctcgt cacggctggc tacaacgaaa ttcgtgtttc cacgccaagc 240

tcactcagca tcctggtaga ctcccagctg ccgtccgcgg ctcggtttcg cgacgtctgg 300

gatgacgcca tcttcacgcc gatgctccaa tttctccggc agaccaagtc gccactcatc 360

gtgaacatgt ac 372

<210> 2374
<211> 429
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316110b04b1

<400> 2374

ggctttgtta accaaggcgc ctcccaagac tcacaagagg tacaacccca agaagctgac 60

ctatgagcag aggaaggcca gcctcgtcga aaggctcaac gccctcaaca actctgccgg 120

tgccgccgat gatgacgagg aggacgacga gtgaagagcg ttcttgtcca ccccagtgta 180

gtattgcaac gtgcgttttt gttgaagtct ggcaccctgc ccaacgggcc tgttcctttg 240

agttttggtt atgtcgcttg agttatagat tgtgttatct ggattatgtg ccgtgctggc 300

atttggatct taatcttaat cctttagtct ggcacccttt ctttattttt tgtggctgtt 360

ccatgctggt tggccttagg ttgacatgac cttcgttgag gtcttttcag cttattacta 420

accatacta 429

<210> 2375
<211> 365
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316110c08b1

<400> 2375

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ggccaggcgg tcggcgggcg cattccagtc ggtgtcgagc agggcccggc agacgtcggt 180

cagcgagtcg tcgtggatgt aggtgcggtc gcgcagttcg agcgagcgcg gttcgcagtc 240

gagccgcatc acggcctcgc gcgccagccg ctccggcgcg atgtagagat gcaggaagtg 300

caccgtgtcg ttcatgcacc agcgcgaata gtgctcggcc ggcagcacgc agaatttgcc 360

ggcgc 365

<210> 2376
<211> 415
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316110f07b1

<400> 2376

gtcttaggtg tacccgctgt tcgcggcgac gggcgtggcc atcggcatct gcgccttcag 60

cctcctccgc aacatcaccg gcaacccaga agtcagggtc aacaagatgg ggagggcagc 120

aggagtgctt gagaaccatg aggagggcag gcgctacgcc gagcacggtc tcagagccta 180

tgtgcaggac aagacccccg agatcatgcc aggaatcaac aagttcttca ccagcccgaa 240

atgaagcact ttagtctctc tgtgactcgc tattagcaac tgttgtggtc aagtgcaaac 300

ctatttcaag cattcagtaa tgttgtcgcg tccataattc agaggatatc ataaagtacc 360

tcttattgaa agaaccatgt gatgtttgat ggcttgctat atatgtgatg gttga 415

<210> 2377
<211> 418
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsf19316110g02b1

<400> 2377

gaacttactt catcctaaat cttccccaac cccaatccag gcgacatgga tctcgccatg 60

gcgccgccgc ccaccgccgt cgcggccgtc cgttgccacc cgcacatcct ccgcaggggc 120

ctcctgcccg cttcgtcgcc gctgctcccc ttcgcctccc ggctggcctc ctccacgccg 180

ctgcgcgccc agccgctgcg cttctcgctc tcccccgtcc ccaagagcat ctcctcctcc 240

tcgacctccc acatccccgt gcgctccctc ttcaccggga tcgtcgagga ggtcggccgc 300

gtgcgccgca tcggcccgcc gcccacgcct tctgggggcg ggggagacgc ggctcccggt 360

gtcgacctcg aggtcgagac caagaacctc ctcgccggga cgcagctggg cgacagca 418

<210> 2378
<211> 415
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsf19316110g06b1

<400> 2378

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aaaagaatgt tttgcttctt gcctcttcat ttgctacgac ttgattcgtg cggatgttgc 120

tcttgagctt gcatggacga ataacatgct ggattttgcg ttcccctatc tattacagtt 180

catccgtgag tacacaagca aggtggatga tttggtgaag gacagaatag aatcgcagaa 240

ggaagaaaaa gctaaagaga acgaagagaa ggaactagtt gcgcagcaga acatgtacgc 300

tcaattgctt cctctggcct tgcctgctcc gcccggcatg atgggcggtc cacctccgat 360

gggtggaatg ggcatgccgc cgatgggcgg gatgggtttg cctccgatgg gtcct 415

<210> 2379
<211> 455
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsf19316110g09b1

<400> 2379

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ccactctggt tagtcaccag gaatctcttg aagccaaggt caacgagaca aaagctacag 120

tcaagttcca gctaaagaag gttctttgca tgggtgttgc tgtgggcaac ttgtcgatgg 180

acgagaagca gatccaacaa aacatccaaa tgagtgtcaa cttccttgtg tccctcctga 240

agaagaattg gcagaatgtg aggtgcctgt acgtgaagag caccatgggg aagcgtgtac 300

gggtgttcta agtgtgtgcg ctccagtgaa gttgataaga taccgggctt tcctgccgac 360

ccctgcttgt ctttggatta gatctgtttc actgatacca attttgtgtt tgcctaagcg 420

aatatcaaca agtatttaat cgtactagtc ttatc 455

<210> 2380
<211> 408
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsf19316110g12b1

<400> 2380

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gcacccagca gttgaggggc gcttctttgg ctctcttcgc ttggcttggc aaggtcacac 120

tggagactta tatttcccag atccacattt ggctcaggtc tagtgtacca aatgggcagc 180

ccaaatggct tctgtctttc ataccgggct acccgatgct taacttcatg ctaacgacat 240

caatctatct tttgctatca taccgggtat ttgagatcac aaacgtgctg agggcagcct 300

tcattcccag cagagacaac aaccgcctgt accagaattt cgttgcgggg gttgccatct 360

ccgtatgtct gtattgctgc tcgctcgttc ttctaaaaat tccggctg 408

<210> 2381
<211> 174

<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316111c08b1

<400> 2381

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caatgtgtct cccaacccca acagcagttg cagcagcaac tcgggcaaca acctcaacaa 120

caacaaatgg cacatggtac ctttttgcag ccacaccaga tagctcagct tgag 174

<210> 2382
<211> 320
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316111e10b1

<400> 2382

aaggacacaa agggggaggc tgcagaggga ggggggggatg aaaaacatgc aacctcacca 60

actcacagac aaggagccga ccaagcagca gctgcagatg atgatgacga tgacgatgtg 120

gagtggcaga ctgacacgtc agcggaagcc gcgagaaaac gcatggagga gcagctgagc 180

gcagcaactg ctgaaaaggc aatgcttgcc accgaggaga cggagaagaa gaagaaacag 240

gccctgcaca aagagggcag ccccaaaggg acaccaaagg ctgaagataa tcccaatggc 300

aaccagactg ggcccaagac 320

<210> 2383
<211> 241
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316111g02b1

<400> 2383

ctctttctct cttcctctct gtggcggcgg gtcggggctc ctaccaagca gcagtggaca 60

ccggcggttt gcgcggcgcg gcggcgggga gcggcggcag accggccgtg cggcggcagg 120

ccatcgggct ccgtcaaggt tgctaaaatg gataagctca agggctctgc gcgtcttatg 180

attgtttcag atctcgatca cacaatggtt gatcatcatg acgaagagaa cttgtctttg 240

c 241

<210> 2384
<211> 263
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316111h02b1

<400> 2384

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atctacggac accatcacga ataactctgc cccgcccgcc cgccgttcgt atgttgtgcg 180

ctgctgttat ttttggttct tgtgtcatta ttccaggatt gccgcagttt acccccactt 240

tccctttggc cttttgggtg tgt 263

<210> 2385
<211> 269
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316114a01b1

<400> 2385

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gggaaccgtg aagtggttca acgtcaccaa ggggttcggc ttcatctccc cggaggacgg 120

cagcgaggac ctcttcgtcc accagtccgc catcaagtcc gacggctacc gcagcctcaa 180

cgagaacgac accgtcgagt tcgaggtcat caccggcgac gacggtcgca ccaaggcctc 240

cgacgtcacc gcaccaggag gaggagcgc 269

<210> 2386
<211> 375
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316114b12b1

<400> 2386

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ggtgacggcg gggttccatg tgtcgggcgg gcacctcaac ccggcggtga cggtggcgct 180

gctggcgcgc gggcacatca cggcgttcag ggcggtgctg tacgtggcgg cccagctgct 240

ggcctgctcc ctcgcctgca tactcctccg ctacctctcc ggcggccagg ccactccggt 300

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cctcaccttc tccct 375

<210> 2387
<211> 427
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsfl9316114c03b1

<400> 2387

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ttgattgaga ggacatctgg tgaatacttg gtgaagaatg gtgtccgcac cttcgcttgc 120

agtgaaacag ttaagtttgg ccatgtcaca tttttctgga atggaaaccg ttcgggatac 180

tttgacgaga ccagggaaga gtatgtagaa attcccagtg acagtggtat cacattcaat 240

gagcagccca aaatgaaggc acttgaaatt gctgagagaa ctcgggatgc tatcctcagt 300

gggaagtttg accaggtgcg tattaacctg ccaaacggtg acatgngttg gtcacactgg 360

tgatattgaa gccacagttg ttgcttgcaa ggctgctgat gaagctgtca agatggtctt 420

ggatgct 427

<210> 2388
<211> 308
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316114c05b1

<400> 2388

tacgataatt cctcaaagaa gatatccatg gaccaccgat ggaggttgca gttgccgaat 60

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tgatgcgtgc cagcttcgtc tgctcctcgt ggcgctccgc gtattccagc ctgcgcaacc 180

ttgagcagta ccagcaacgc cagacgccgt gcctcttata cacatctgaa tctgctggtg 240

aaagcgttgc gtgcctctac agcctcttgg agaagagggt catacaagtt gactctcccg 300

gagccacc 308

<210> 2389
<211> 433
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsf19316114c12b1

<400> 2389

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agcgtgagaa tagagaaatg gtttcaagag caactcttct atctgagttg gctgcgaaag 120

gtgtgatttc atgtgcttcc caagaagtaa aagatctata caaccttatg gagcatgagt 180

tccttcctct ggatctagca tcaaaagtgc agcctctgct atccaagatt tctacgattg 240

gaggaaagct ttccgctgca tcgtcagttc cggaaattcg tttatcacag taccaaactg 300

cattggagaa gcttactgca ctgagggtgc tgcagcaggc atctcatatt ttccagtcca 360

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tcgctgttga tgc 433

<210> 2390
<211> 337
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsf19316114d01b1

<400> 2390

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ttgcagacac tttacagcat agaaggctgg gatgcatatg ccctggcttt ccaagcagtg 120

gatgagcagg cgagcattga gtttaggaac cctggcatgg aggacgaccc gacctgcggg 180

cctatccttg acaacgtggc catcaagaag ctcttctccc ccgacaaagc aaaggagaac 240

atgngtgatc aatggagact ttgaggaggg gccaatggat gtttccaaac acaagctttn 300

cgtgtcctgc tcccgacgaa ccttgacgag cagacat 337

<210> 2391
<211> 244
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsfl9316114e01b1

<400> 2391

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gttcatcgtg agggcgtcgt cggcggaggc ggaggccgcc ggccgccgcg cggtccttgg 180

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tcgc 244

<210> 2392
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<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316114g03b1

<400> 2392

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tggcgaccaa ggcggcgcgc aagtccgccc cggccaccgg cggcgtgaag aagccccacc 180

gcttccgccc cggcaccgtc gcgctccgcg agatccgcaa gtaccagaag agcaccgagc 240

tgctcatccg caagctgccc ttccagcgcc tggtgcgggg agatcgcgca ggacttcaag 300

accgacct 308

<210> 2393
<211> 279
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316114g08b1

<400> 2393

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cgcgccgctg acctcacgcg gctcccagat gtaccgctcc ctcacggtcc cggagctgac 180

ccagcagatg tgggactcca agaacatgat gtgcgccgcc gacccccggc acggccggta 240

cctgacggcc tcggccatgt tccgcggcaa gatgagcac 279

<210> 2394
<211> 60
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsf19316114h10b1

<400> 2394

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<210> 2395
<211> 302
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsf19316116b02b1

<400> 2395

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cagtgcccca acgccggctg ccacaggtac gtgacctacc accaggccga ggagcaccgg 180

agcgcctgcg cgcacgcgcc ctgccgctgc acggagcacg gatgcggcta actcggcgcg 240

gcttcggacc tcgccgacca cctcagcgcc gaccactgcg tgccggtgcg ccccatccac 300

ta 302

<210> 2396
<211> 345
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsf19316116b07b1

<400> 2396

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ccccgactgc accgggctac tccccgtcct acaccggccc gaagacaact gacaaggacg 180

atgagactgt tgactagaaa atggctgctg ttggttggct tgatgcagaa cgatgcccca 240

cgaccaactc ttgtttcctc gagtgtccgg aacaggcgtg ttgatgtaag ctgtgatgct 300

aatagcagca ctagaatctg cggccgtagc tgggctgata tttaa 345

<210> 2397
<211> 452
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316116b11b1

<400> 2397

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gcaagaggaa gaaggacgcc gctgccgctg gcaagcccaa gcgcccgccc tccgcctttt 120

tcgtcttcat gtctgagttc aggcagcagt acaacgcgga gaaccccaac aacaagagtg 180

tcgccaacgt gagcaaggcg gcgggtgaga agtggagagc tatgtctgat gaggagaaag 240

caccttatgt ggaaaaggct gaacagaaga agaaggatta tgagaagacc aaagccacct 300

ttgataacaa ggagagtgcg agctccaaga aggccaagac tcagaacgat gaggaggtca 360

aatctgaggt cgaagatgag ggtagcgatg aggaaaatga ggacgatgac gagtaaatag 420

tgtatcagat catgaggtag caaattgggt gt 452

<210> 2398
<211> 89
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316116e10b1

<400> 2398

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aaaaaaaggg cggacgtttt gggggggcc 89

<210> 2399

<211> 368
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316116f03b1

<400> 2399

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cgactgctac tcgtacgacc atcctttcca ccaggagctg tacaactatg tgaagcagca 120

agctctgagg aaccaggaca gcgtcggccc cgcgaagcaa gggtcgatgc atgtgagggt 180

gccgacgccg gacctggagg aggccaagat catggagacg atccagtcgg agctccacag 240

cctcaaggca ggcgacggca tttcccgctc cttcagcagg atcacgatcg aaggtccatg 300

atgaccttgt ttcctgctca tatcgaagat cgtcatggat atgatccatg atgatcggag 360

tggctcga 368

<210> 2400
<211> 467
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316116f04b1

<400> 2400

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gaagctgatc tcagtagaca cattctacgg acaagtcgct gctgaagctg tgaaaagagg 120

agccaccatg attaatgatg tgtctggcgg acagcttgac ccaagtattc ttgaagttgt 180

agctgaactt ggagttccat atgttaccat gcacatgaga ggtgatccat caactatgca 240

gagtgaacag aatttacagt atgatgatgt ctgcaaagaa gttgcttctg aattatatgc 300

acggttaaga gaagctgagt tgtctggaat tcctttgtgg aggatagttc ttgatcccgg 360

cattgggttt tcgaagaaat ccaaacataa tcttgaaata atcaacggct tgggatccat 420

tagaaaagag atgggtaaag tgagtttagg tgctttacat gtgccaa 467

<210> 2401
<211> 141
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316116g03b1

<400> 2401

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ctcgagaatg ctgtggaagg aggcagaggg caagcctgat tgggtgaagg atcttgatgc 120

tgtgggggag aatggggagg a 141

<210> 2402
<211> 362
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316116g05b1

<400> 2402

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gccccctccc cacccaggaa accagccatg aaggggggcca aatccaaggg cgccgtcaag 120

gccgacacca agttggcggt gaagagcaag ggggcggaga agccggccgt caaggggaag 180

aagggcaagg ccggcaagga ccccaacaag cccaagaggg cgccctccgc cttcttcgtc 240

ttcatgggcg agttccgcga ggagttcaag cagaagaacc ccaagaacaa gtccgtcgcc 300

gccgtcggca aagcggccgg tgagaggtgg aagagcttga gcgaatcgga gaaggccccc 360

ta 362

<210> 2403
<211> 373
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316116h08b1

<400> 2403

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catctgggcc tgccaggtcg cgctcatggg cgccgtcgag ggctaccgcg tcgccggcgg 120

gccgctcggc gagatccgcg acccgctcta ccccggcggc agcttcgacc ccctgggcct 180

cgctgacgac cccgaggcgt tcgcggagct caaggtgaag gagatcaaga acggccgcct 240

cgccatgttc tccatgttcg gcttcttcgt gcaggccatc gtcaccggca agggccctct 300

cgagaacctc gccgaccacc ttgccgaccc cgtcaacaac aacgcctggg cctttgccac 360

caacttcgtg ccc 373

<210> 2404
<211> 289
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316116h11b1

<400> 2404

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ctttcttctt cctcttccta cctctgcctc ttgctcttcc ttcttcgcaa gcagcagcct 120

cttcgccctc gcagccagcc gctgtcgata ggggggaggt cgtcaccgcc ggctgctctc 180

tgccacgccg cttcgaccag agacaggtga gatggaaggt ttcgagttct tccagatcgt 240

acttgacaac tcctcgagca ggctgaggct gcctgacaag tttaccatg 289

<210> 2405
<211> 211
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316117a01b1

<400> 2405

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caatctaacg gctgtagagg atcgttcctg cctggctctc atgcctgaca gggtggccca 180

gaggttgtct gacagactac aaaacttttt a 211

<210> 2406
<211> 388
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316117b12b1

<400> 2406

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gtcggtgagg ctccagctgt tcgcgctcgt caccgccaac gacatcgcgc agcgccgcga 120

cgggaccgtc aaccgcttcc tcttctcctt cggcgaccgg cagtcgcccg cgaggccgcg 180

cccggacgcg cacggcgttc gctccgccga cgtcaccgtc gacgcctccc ggaacctctg 240

ggcgcgcgtc tactcccccg cagcggaggc gaccccactc cccgtcctcg tctacttcca 300

cggcggcggc ttcacgctgc tctccgcggc ctccacgccc atcgacggca tgtgccgccg 360

cttctgccgc gagctgggcg ccgtggtc 388

<210> 2407
<211> 359
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsf19316117e07b1

<400> 2407

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aaagggcgag caagacagtg cccagtgaaa caagctacag ttgttagcat ttgcatggag 180

atggatgctt cctctctgag tactctttta ctcgacgctc ttcctgcggt gttctgttgt 240

tttgacgcag gattttcatc gtcgtgttgc cagccatgat ggaaatctct cggttccaag 300

agcatccaag ttttcgcttc atgacaaata aatgccactt tttcaatact ctgtttttt 359

<210> 2408
<211> 445
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsf19316117f11b1

<400> 2408

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aactgatgat agatcaggat gcagagattg atgttgaaac atgtgagaag aactcatcat 120

tcagtgattt tgaggactca gcagatgaga tcatctactt gcctgctatt ccttccccgg 180

atgctcctga tgagcagcca gacaagtgcc tagtaagctc atcaaaattg gaggatagca 240

atcattctgg ttcgccccca tcctcaatgg atgctgtgca gaatggtcta gccattcctc 300

ccgcatctag tccattggaa gttgttgaca attccatggc cgaagagcca tcagcggaag 360

cggcaaacgc aaagcggaag aggaggctat cagccaaggg gctggagatg cagcaggctg 420

aaaaagtgaa gaaaccaccc ataaa 445

<210> 2409
<211> 426
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316117g05b1

<400> 2409

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catgaggctg gactgaagct acaggccatc atgtcactcc accagtgcgg tggcaacgtc 180

ggcgacgtcg tcaacatccc gatcccgcag tgggtgcggg acgtcggtgc gagtgatccg 240

gacatttttct acaccgacca gcacgggact aggaacattg agtacctcac ccttggagtt 300

gatgaccagc ctctcttcca tggaagatcc gccgtgcaga tgtatgccga ttacatggca 360

agcttcaggg acaacatgaa agagttcttg gatgccggtg ttattgtaga cattgaagtc 420

ggactt 426

<210> 2410
<211> 283
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316117g08b1

<400> 2410

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gcaggcggag ctgctccgcg ccgttctgga agagcagaag ctcgctgcgc agggagacga 180

gcccgtagtt gaggatgatg atgatgagga agatgaggat gatgatgacg aggatgacaa 240

agatgatgat gttgagggag ttgatgcaag tggaagatct aag 283

<210> 2411

<211> 329
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316117h01b1

<400> 2411

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aggcttcgtg caagtgttta atctcagagg ctaaaggagt ctaggtggtt tccaactgtt 240

gttacccccc aggagatgct tgttaatatc tgtccttagg aatacaagag acctgcgatg 300

catgctatct tctgtgatta caaccaata 329

<210> 2412
<211> 304
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316119b05b1

<400> 2412

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ggccccgatg atcgcgccgg gctccgccgc cttcttgggc gggcgctggc cggcgcgggt 240

ggccacggcg gcgctcttca gggtcaacgc gggcataggg ctcctcctga tgctcgccgt 300

catg 304

<210> 2413
<211> 362
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316119c09b1

<400> 2413

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